

Peace through practical, proved civil defence for credible war deterrence

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Please see also post linked here, and our summary of the key points in Herman Kahn's much-abused call for credible deterrence, *On Thermonuclear War*, linked here.

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Hiroshima's air raid shelters were unoccupied because Japanese Army officers were having breakfast when B29s were detected far away, says Yoshie Oka, the operator of the Hiroshima air raid sirens on 6 August 1945...

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In 1,881 burns cases in Hiroshima, only 17 (or 0.9 percent) were due to ignited clothing and 15 (or 0.7%) were due to the firestorm flames...

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Dr Harold L. Brode's new book, Nuclear Weapons in ...

•

800 war migrants drowned on 22 April by EU policy:...

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Photographed fireball shielding by cloud cover in ...

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Nuclear weapons effects "firestorm" and "nuclear w...

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Proved 97.5% survival in completely demolished houses ...

"There has never been a war yet which, if the facts had been put calmly before the ordinary folk, could not have been prevented." - British Foreign Secretary Ernest Bevin, House of Commons Debate on Foreign Affairs, Hansard, 23 November 1945, column 786 (unfortunately secret Cabinet committees called "democracy" for propaganda purposes have not been quite so successful in preventing war). Protection is needed against collateral civilian damage and contamination in conventional, chemical and nuclear attack, with credible low yield clean nuclear deterrence against conventional warfare which, in reality (not science fiction) costs far more lives. Anti scientific media, who promulgate and exploit terrorism for profit, censor (1) vital, effective civil defense knowledge and (2) effective, safe, low yield air burst clean weapons like the Mk54 and W79 which deter conventional warfare and escalation, allowing arms negotiations from a position of strength. This helped end the Cold War in the 1980s. Opposing civil defense and nuclear weapons that really deter conventional war, is complacent and dangerous.

War and coercion dangers have not stemmed from those who openly attack mainstream mistakes, but from those who camouflage themselves as freedom fighters to ban such free criticism itself, by making the key facts seem taboo, without even a proper debate, let alone financing research into unfashionable alternatives. Research and education in non-mainstream alternatives is needed before an unprejudiced debate, to establish all the basic facts for a real debate. "Wisdom itself cannot flourish, nor even truth be determined, without the give and take of debate and criticism." – Robert Oppenheimer (quotation from the H-bomb TV debate hosted by Eleanor Roosevelt, 12 February 1950).

"Apologies for freedom? I can't handle this! ... Deal from strength or get crushed every time ... Freedom demands liberty everywhere. I'm thinking, you see, it's not so easy. But we have to stand up tall and answer freedom's call!" – Freedom Kids

Archives

Saturday, February 18, 2017

A problem with hate propaganda from CND's anti nuclear Jeremy Corbyn and associated pseudo socialist bigots



The British government's Home Affairs Select Committee concluded that the anti-nuclear ranting Labour's Leader Jeremy Corbyn "created what some have referred to as a 'safe space' for those with vile attitudes towards Jewish people." Racist hate crimes against Jews are on the rise in Britain, and this is due to evil Marxist CND anti-nuclear ideologues who have seized control of Labour and view the Jews as capitalists, just as Sir Oswald Mosley (Britain's previous proto-Hitler) did. Stephen Pollard, editor of Jewish Chronicle, wrote this review in the *Daily Express* 21 Oct 2016 page 41, explaining how *The Left's Jewish Problem* documents the increasing evidence of racism from Britain's fanatical left, conceited, smug Guardian/BBC prejudiced people taught to dismiss all critics as fascists, yet who share more in common with socialist Nazi Germany than Stalin did, even during the USSR-Nazi pact to invade Poland in 1939. Actually, the usual divisions between "right wing" and "left wing" are just a

propaganda trick exploited by Stalin after the surprise Nazi invasion, and the entire basis of Nazi evil was the same as that of the USSR: both were bankrupted by socialist full-employment government spending policies and so resorted to invasions and militarism, with racial hatred of the West used to distract attention from internal problems. This same trick is now being used again, renamed "globalism" and "outward looking internationalism."

Corbyn may lose seat in boundary overhaul

JEREMY Corbyn and George Osborne look set to be the biggest losers in an overhaul of parliamentary constituencies published today.

Draft proposals from the Boundary Commissions for England and Wales will see the Labour leader's Islington North seat abolished and force him to fight his closest lieutenants for a Commons seat.

The changes in north London mean that Mr Corbyn's seat, shadow foreign secretary Emily Thornberry's Islington South seat and shadow health secretary Diane Abbott's Hackney North and Stoke Newington constituency will be merged to form two new seats.

The proposals have yet to undergo a consultation but it is a further blow to the Labour leader who is already fighting for survival after a leadership challenge from Welsh MP Owen Smith.

Labour could lose 30 to 50 of its 258 seats while the Tories could gain 20 seats from the proposed changes.

Most of the regions where Labour led at the 2010 general election – the East Midlands, North-east, North-west and Yorkshire – will see bigger reductions.

The party won 25 of the 40 seats in Wales, where 11 constituencies are being axed. But three of the four English

regions where the Tories were ahead in 2010 – Eastern, South-east and South-west – see reductions of just one or two.

Mr Osborne – sacked as Chancellor by Theresa May in July – is set to see his Tatton seat in the North-west disappear.

The changes, which will reduce the number of constituencies from 650 to 600, will be implemented for the general election due in 2020 but their full impact will not be known until experts have been able to analyse the commission's revised proposals in early 2018 and its final proposals in October 2018.

Last night Mr Corbyn's allies were attempting to paper over a contest with Ms Thornberry and Ms Abbott.

A source close to the Labour leader said there was "every reason to believe that Jeremy will still have a seat", as, nearly 60 per cent of the new Finsbury Park and Stoke Newington constituency is made up of areas now in Islington North, which he has represented since 1983. Only a handful of constituencies look set to survive unchanged, including Mrs May's Maidenhead seat.

OPINION: PAGE 12

Picture: BEN STEVENS/IMAGES



Glum Corbyn leaves home yesterday

Daily Express 13 Sept 2016 page 2: the mainstream media tries to downplay the threat from Jeremy Corbyn by claiming he may be thrown out in a bureaucratic Boundary Commission change to electoral boundaries, reducing the number of MPs in Parliament from 650 to 600. However, as Labour Leader, he could be found another Labour seat in an area with large anti-Jewish immigrant terrorist voters, such as an area of racists who may find his hate speech more appealing than humanists. So there is no room for complacency. The normal policing of hate speech is apparently suspended for "high profile" bigots. The laws against incitement of hatred and racism are never applied fairly to these people from the legal and political classes, who try to either bribe or coerce their way to dictatorship, manipulating fears of immigrants in their constituencies for votes.

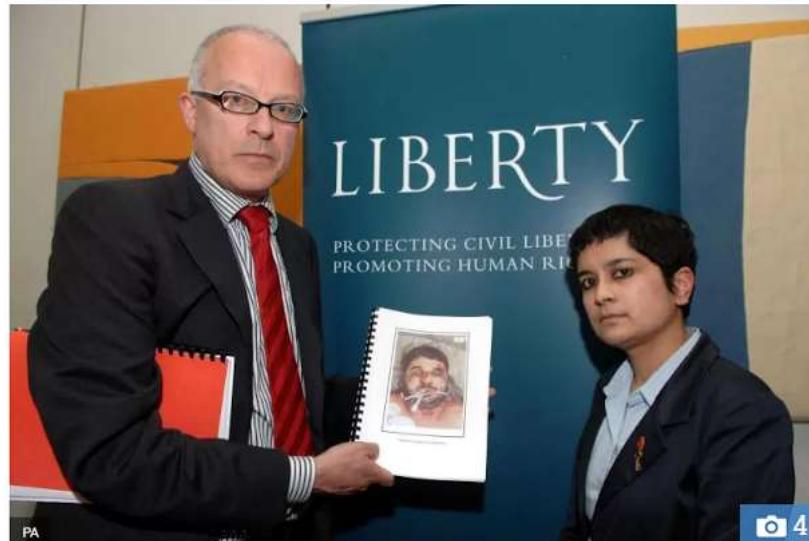


Daily Express 16 August 2016 page 12: Stephen Pollard reports how "Human Rights Lawyer" Phil Shiner (founder of the law firm "Public Interest Lawyers") used fake evidence from terrorists and Britain haters to prosecute British people at the expense of the British taxpayer. "As is so often the way with those who attack our finest institutions, Mr Shiner was lauded by the liberal establishment as a hero [Sir Jimmy Saville is another possible example of this sort]. In 2007 at the Law Society Awards, he was garlanded as solicitor of the year for his 'tenacious and courageous commitment to the rights of those for whom access to justice would otherwise be denied.' [In fact all quack lawyers work for hard cash from somebody, so this typical Law Society excuse for what were soon shown to be malicious prosecutions is plainly manipulative, specious, and frankly dishonest.] He was also given the title of Professor of Practice Law by Middlesex University and honorary titles from the London School of Economics (LSE), Warwick, and Kent Universities. ...

The judge who headed the £31 million inquiry, Sir Thayne Forbes, later revealed ... Their claims were ... 'Wholly without foundation and entirely the product of deliberate lies, reckless speculation, and ingrained hostility.' This is exactly the pseudo-'socialist' mindset of all enemies of democracy, freedom, and humanity, the wolves who win prizes for camouflaging themselves in sheep's clothing and talking dishonest drivel all the time in the media.

Shiner was eventually struck off as a lawyer by the British Law Society on 2 February, 2017, and was then PRAISED for making money from persecuting Britain's heroes, by Labour's shadow attorney general Lady Sharmishta Chakrabarti, CBE, who had earlier posed for smug

photographs with Phil Shiner (photo below).



PA 4
Comes after Labour's Shami Chakrabati said the demise of Mr Mercer was "sad"

She added: "What I think is important is misconduct by an individual should not be used as an excuse to destroy everybody's human rights."

Shadow Attorney General Chakrabati, a close associate of CND's deterrence hate campaigner Jeremy Corbyn, posing with fake evidence-abusing pseudo-Human Rights Lawyer Phil Shiner (now struck off by the Law Society), when head of Public Interest Lawyers: after Phil Shiner was struck off for misconduct, Chakrabati did not apologise for promoting dishonest abuse of tax payers money by such "Liberty" public relations photos, but instead said that his publication was "sad" and that the suffering of thousands of people wrongly persecuted by manipulative lawyers is less important than the promotion of scare-mongering fake news that banning such evil will "destroy everybody's human rights." This is exactly what happened to all of the highly awarded pseudo "socialist peace makers" who campaigned against Britain's credible deterrence of aggressors in the 1930s (they wanted parity or worse), people like Nobel Peace Prize winner Sir Norman Angell, Labour Party leader Clement Attlee (who in 1935 rejected armaments), BBC favourite Professor Cyril Joad, and a host of others. No punishments were dished out for media saturating, fashionable bigots. They got money, fame, and were awarded prizes for a dishonesty that led to disaster.

Party has turned so
y against him.
Corbyn refuses to face up
to his own failings. He is a
monstrous vanity, full of
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anger if challenged,
but for invading my
ace," he whined to
on Tuesday night
s home. Well, if he
like press attention
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They are not even right about
a return of the railways to
public ownership. Contrary to
their moans, rail privatisation
has been a huge success,
bringing new investment,
better rolling stock, an
improved infrastructure and a
phenomenal increase in
passenger numbers after years
of decline under British Rail.

Corbyn and his acolytes want
the railways back under state
control because they have an
ideological hatred of private
enterprise. But thankfully there
is little chance that they will
have the chance to implement
their misguided policy.

Above: "Corbyn and his acolytes ... have an ideological hatred of private enterprise" - Daily Express 25 August 2016 page 12 by Leo McKinstry.

Ideological hatred of private enterprise is a bigotry: racism, sexism, socialism, fanaticism, fascism, and Nazism. The normal distinctions of "right" and

"left" in politics make no sense when applied to dishonest dictators, who are all alike in their paranoia, their fake news, their bigotry and their abuse of genuine critics.



Daily Express 25 August 2016 page 12: Leo McKinstry pointed out the dishonest scare tactics used by Labour leader Jeremy Corbyn in the Virgin railways "no seats on trains" publicity stunt, which was later exposed as fake news.



Tony Blair's anti-democracy "RANT LEFT GRIEVING DAD SEETHING", Daily Express, 18 February 2017, page 5.

ABOVE: Britain's new Oswald Mosley, an anti-democracy thugger leader why lied to the people to cause a war in 2002 and then lied again about Brexit destroying the world, now calls for a revolution against democracy in Britain. This article in the 18 February 2017 *Daily Express*, page 5, shows how distressing and insulting the dishonest Tony Blair has become. Tony Blair is protected by bodyguards as a result of his massive pension and "earnings" while a "peace envoy to the Middle East" since leaving the UK government, and his "police" thugs arrest his critics on trumped up anti-terrorism charges. The man is a menace. **Similarly, "Human Rights Lawyer" Phil Shiner made a career and handsome profit out of using faked evidence to persecute British army veterans. It is time that some of these fake, snake-oil selling "Human Rights Lawyers" and "Liberal Politicians" were exposed for hypocrisy and dishonesty by being convicted of fraud and given a jail term. Justice is not being done because these people are supported by anti-democracy terrorist cartels in the BBC TV news and Oxbridge "elitist educated" newspaper journalism.** Oswald Mosley, like Blair, was a LABOUR (pseudo-socialist) MP, before he became a hater of democracy and a fascist. Mussolini was a socialist activist when inventing fascism in 1914, and Hitler's National Socialist party set off WWII due to *socialist debt* which provoked the robbery of the Jews and the anti-national invasions of surrounding nation states! Hitler's first finance minister Hjalmar Schacht simply borrowed money to pay for Hitler's full employment policy of massive military arms factories, the first autobahn, etc.: socialist debt, wage control, price control, and concentration camps with the robbing of Jews, "paid" for socialism. When borrowed money ran out, Hitler invaded his neighbours. (Socialist warmonger.)

As we pointed out in the previous post on anti-democracy Trump-haters in America, the Marxist/socialist drivel mongering objective is **Reichstag Fire** scare mongering: to suspend democracy on the basis of a fake news event. It is so easy for corrupt journalists to try. They simply report that a Jew-supporting billionaire tried to give secrets to Russia, and this trick gives them the excuse to hate and try to destroy the Jews, capitalism, and progress, just as Nazi radio and newspapers reported that a Jewish conspiracy burned down the Reichstag. Such "fear mongering" gives them the excuse to ban democracy, to impose a **police state which claims the truth is "fake news", while they themselves churn out lies masquerading as truth**. All of this is 100% relevant to the suppression of the truth by lying thugger cartels of "journalists", "historians", and "scientists" of civil defence effectiveness and the real effects of nuclear weapons. **Let's pray that Trump's revolution defeats the BBC type propaganda, repeated saturation of lying evil that has led to endless suffering.**

Further reading on the truth behind the frauds of so-called "Human Rights Lawyers":

The Sun, 13 February 2017, <https://www.thesun.co.uk/news/2855711/tank-chasing-lawyer-phil-shiner-reported-to-police-by-tory-mp-for-hounding-iraq-heroes/> :

'IT SIMPLY CANNOT BE RIGHT' Tank-chasing lawyer Phil Shiner reported to police by Tory MP for hounding Iraq heroes

Former Army officer has written to Met chief Sir Bernard Hogan Howe demanding they investigate the struck-off solicitor

EXCLUSIVE

BY HARRY COLE, WESTMINSTER CORRESPONDENT

| 13th February 2017, 6:00 pm

DISGRACED tank-chasing lawyer Phil Shiner has been reported to the police for hounding Iraq heroes, the Sun can reveal.

Tory MP Johnny Mercer has written to the Metropolitan Police demanding they investigate the solicitor, who was struck off for dishonesty last week.

The former Army officer, who has led the charge against the flawed Iraq Historic Allegations Team (IHAT) says he did not make the decision to call in the cops "lightly", but Shiner's behaviour "simply cannot be right."

Mr Mercer has asked Met chief Sir Bernard Hogan Howe to open an investigation to see if Shiner has "transgressed the boundaries of English Law".

The IHAT investigations were set up in the last days of the Labour Government in 2010 to look into claims of murder, abuse and torture carried out by British troops.

But it was heavily criticised and more than 1,000 claims were dismissed, with Defence Secretary Michael Fallon announcing it would be closed this summer.

He said Mr Shiner made soldiers' lives a "misery", and the solicitors disciplinary tribunal found him guilty of a dozen misconduct charges during a shameful spree that saw him personally pocket millions.

The Shadow Attorney General – one of Jeremy Corbyn's closest allies – insisted it shouldn't be used as an excuse to lift European Human Rights rules imposed on the military – as demanded by Mr Fallon.

Speaking to ITV's Peston on Sunday she said: "I think it's very sad when a public servant who's given very good service to the public, when their career ends in disgrace." [What she presumably means in plain English is, it's very sad for her credibility when her dishonest associates are exposed.]

UPDATE ON WHY ANTI NUCLEAR DETERRENCE BIGOTS CENSOR THEIR OPPONENTS INSTEAD OF ENGAGING IN HONEST DISCUSSIONS: 24 FEBRUARY 2017





There is another analysis of the use of bigotry dressed up as "taking offense at other people's views" by Stephen Pollard out today: *This Country Has Been Taken Over by the PC Brigade*, Daily Express, 24 February 2017, page 12, which is vital for understanding how and why groupthink "liberal elite"-camouflaged fascists get away with ignoring the substance of the argument (which debunks their agenda of dogmatic Marxism, socialism, or whatever). If you hold a political garbage belief that you cannot honestly defend by reasoned argument, then you act as a bigot by censoring out all alternative, more defensible ideas as being immoral.

This was the way the medieval Catholic Church, the USSR Stalinist's and Goebbels' Nazis propaganda machine worked: they were paranoid, claiming that all their critics were racist infidel, a trick still used by Marxists against Jews and Western capitalists. Socialists claimed they were fighting back against anti-Aryan, or anti-Russian bigotry when they starved, beat and gassed millions. Then concentration camp eugenics was deemed the only way to stop anti-Aryan or anti-Russian "racism". By simplistically and falsely dressing up any criticism as being simply "rude" or "racist", this "shoot the messenger" card was used to protect socialist ideology from reform (rudeness is used by Marxists whenever it suits their agenda to rant and rave and scream, to divert themselves from the task of honest debate, and because someone has been angered or embittered by dogmatic authority doesn't by itself prove their criticisms to be wrong):

"Political correctness has become a poison ... it destroys ordinary people's faith in the system by treating their genuine and decent concerns as somehow immoral. And when people no longer feel that mainstream politics and the system can reflect their values, then they look elsewhere. ... take the NHS ... It doesn't matter that no other country in Europe has an NHS and almost all of them deliver better healthcare to their citizens. ... to make sure that people have better healthcare ... you offend against what is politically correct. ... The problem is that although political correctness began in the 1970s as a form of radical Left wing politics [stemming from USSR backed opposition to America's involvement in Vietnam, and from Bernstein and Woodward's *Washington Post* saturation coverage of Nixon's misjudgement in permitting a bungled raid on Democratic Party lawyers at Watergate] and was at that time little more than the preserve of students, one generation's students are the next generation's establishment. So the mindset of 1970s students ended up becoming the mindset of the establishment ... Political correctness is now the dominant mindset in public life. ...

"Look at the BBC. Its editors would say that they are open-minded and curious, free of bias and always interested in ideas. But try this ... Imagine a drama series on the BBC where the hero was a Brexit [anti-EU dictatorship] campaigner or a Trump supporter. You can't, can you? Or how about a BBC documentary which suggested immigration is out of control? Again, you can't.

"Of course, the BBC would never dream of such programmes because they offend political correctness ... Indeed, Trevor Phillips [former chair of the Equality and Human Rights Commission] recalls in his film [about political correctness blunders, not shown on the BBC, 23 February 2017] how he was accused by a well-known BBC Radio 4 broadcaster of 'peddling a racist narrative' after he said that President Obama's iconic status as the first African-American president shouldn't be allowed to mask his poor record in office. This kind of political correctness that censors offending views and refuses to allow the discussion of certain topics is very dangerous. First, because human beings evolve through intellectual inquiry and endeavour. If we simply block off some ideas and views, then we diminish ourselves [the way to debunk claims by holocaust deniers or Moon landing conspiracy theorists is with a discussion of the factual evidence, not by simplistic censorship or dictatorial abuse]. But more immediately, because a society that treats the concerns and values of many of its people as simply beyond the pale and seeks to wipe them from view is headed for trouble."

- Stephen Pollard, *This Country Has Been Taken Over by the PC Brigade*, Daily Express, 24 February 2017, page 12.

The next page, page 13, has another example of this problem, written by Frederick Forsyth, *Nobody in Britain is above Criticism* (Daily Express, 24 February 2017), where a fashion-bigoted, critic-intolerant judge who made a mistake is trying to impose censorship to preserve his dignity:





"The great and good Lord Neuberger, president of the Supreme Court, is not pleased ... He has been contradicted, even criticised. ... But the noble lord does not like being disagreed with let alone criticised so he took to the airwaves ... no one in this old country is immune from criticism and that goes right up to the monarch, and she is a lot higher than Lord Neuberger. Our forefathers fought many tyrants for the right to speak our minds ... So if the noble lord ever felt like redecorating his robing room let me recommend a large placard at one end saying: 'Every mouthful you eat, every stitch on your back, every cup of petrol in your limousine is paid by us. So please do not treat us with disdain. Signed, the people of the UK!'" [The problem here is that the judge would simply reply: "I pay tax too, therefore I pay my own salary! Now get lost, before I have judge you guilty of incitement of hatred, high treason, racism, rudeness, lack of respect, and political incorrectness!"]

There is a deeper truth that these journalists are missing. All forms of dictatorship can invent some contrived excuse to fail to engage into a constructive discussion with critics to make progress. *The usual claim that all criticisms of judges, lawyers, priests, political ideologies, physics theories, or religions is a "hate crime" that must be censored as rude, and that only nice, polite praise of orthodoxy is acceptable, is a dictatorial counter-revolutionary trick: the opposite of free liberalism.*

UPDATE: 25 February 2017





ABOVE: Leo McKinstry's analysis, *How government gave compensation to suicide bomber*, Daily Express, 23 February 2017, page 12:

"The warped ideology of political correctness is fuelling the demise of the West, making a mockery of justice. In the madhouse built by our ruling elite ... we are literally paying our enemies to wage their brutal war against our civilization. ... Abu Zakariya al-Britani ... was reported to have blown himself up in a suicide attack on an Iraqi army base near Mosul ... not just a terrorist but also the recipient of a reported £1 million from the British taxpayer. This vast sum was handed to him by our supine politicians ... for alleged mistreatment while he was held in the US detention camp of Guantanamo Bay, having been arrested in 2001 by US forces ... the Labour government lobbied hard for his release, which soon took place in 2004.

"When he was freed ... the Home Secretary David Blunkett grandly declared that 'no one who is returned will be a threat to the security of the British people'. That empty boast now lies flattened ... Altogether 16 people from Britain received handouts after spells in Guantanamo, with the total sum estimated to be £20 million. ... our sick system means that people such as him are lavishly rewarded. Hatred of our values is the cue for riches. ... They despise our gullibility dressed up as compassion and our cowardice masquerading as tolerance. ...

"Lenin famously described his Western supporters as 'useful idiots' ... the civil rights lobby led by the sanctimonious Shami Chakrabarti [now a Labour Lady and British shadow Attorney General, a close colleague of Labour leader Jeremy Corbyn] of the pressure group Liberty, who built a public career out of shrieking against anti-terrorist crack-downs before she became one of Jeremy Corbyn's acolytes. Typically, when Al-Harith was released in 2004, she said she was 'delighted', even though the American authorities had said ... that he was 'a known Al Qaeda operative' who represented 'a threat to the USA, its interests and allies'. ... The new US President Trump also recognises this. That is why he and his new Attorney General Jeff Sessions are determined to keep Guantanamo Bay open as they strengthen America's counter-terrorism policy."

The Marxists are hypocrites and fakers, haters of free speech yet disguised as liberals, haters of differences yet disguised as anti-racists, haters of individualism yet disguised as tolerant, haters of progress yet disguised as progressives, haters of understanding and hope yet disguised as compassionate people. This is why they exploit and facilitate the "divide and rule" tactics of Lenin: race war, cultural war, religious war, class war. They are obsessed with creating divisions, opposing improvements, and facilitating terrorism because their dogma is one of fear, violence and destruction.

Update, 2 March 2017:

It has been pointed out to me that the UK House of Commons Speaker, John Bercow, who has stated that he refuses to permit President Trump address Parliament during his state visit later this year, backed the £1 million UK government funding of IS suicide bomber Jamal Al Harith and others after their release by Labour Home Secretary Jack Straw on 25 January 2005. Speaking in the Commons, Bercow stated:

"Would it now send an invaluable signal if the foreign secretary instead of simply saying, 'If people come to us about compensation we will follow it up', 'There is no reason in principle why they should not receive compensation and every reason why they should'?"

Labour MPs Keith Vaz and Jeremy Corbyn joined Bercow in demanding compensation for these Guantanamo Bay terrorist suspects. Jeremy Corbyn stated complacently in 2013 that the terrorists compensated were to be praised: "the British nationals who have been released from Guantanamo Bay ... in fact, have made a commendable contribution to arguments for justice and for closing it down." How wrong he was proved when Al Harith blew himself and others up in Iraq last month! He has failed to apologise or retract his false statements, just as he ignores the full facts about civil defence effectiveness and the deterrence needed against terrorists. In the past, Corbyn has made a point of being friendly to IRA bombers and has praised Hama terrorists. That's his "compassion".

posted by Nuclear Weapons Effects 3:20 pm 

2 COMMENTS:

At 10:55 pm,  nige said...

<http://www.telegraph.co.uk/news/2017/02/21/british-man-launched-isil-suicide-attack-guantanamo-bay-detainee/>

Bomber named by the group as Abu Zakariya al-Britani CREDIT: UNIVERSAL NEWS AND SPORT (EUROPE)

Gordon Rayner, chief reporter

22 FEBRUARY 2017 • 8:54AM

ABritish Islamic State fighter who carried out a suicide bombing in Iraq this week is a former Guantanamo Bay detainee who was paid £1 million compensation by the government.

Al-Harith, who used the nom de guerre Abu-Zakariya al-Britani, entered Syria via Turkey in 2014 to join Islamic State of Iraq and the Levant, leading to questions at the time about the monitoring of terrorist suspects.

It also raised the possibility that compensation money paid by British taxpayers had been handed on by him to Isil.

Earlier this week Isil released an image of him sitting inside the bomb car grinning broadly, with wires and what may be a detonation button in the background.

At 11:08 pm,  nige said...

... The 50-year-old, originally from Manchester, was arrested by US forces in Pakistan in 2001 as a suspected Taliban sympathiser, before being sent to Guantanamo Bay in Cuba in 2002.

At the time of his release, the then home secretary David Blunkett said: "No-one who is returned...will actually be a threat to the security of the British people."

Earlier this week Isil named him as the man who had blown himself up in the car bombing at the Iraqi army base, and released a picture of him. ...

(If this is true, it is another example of left wing terrorism support using british tax cash, in the name of undermining justifiable American anti terrorism measures. Again, as pointed out in previous posts, lawyer led prosecutors cannot prevent terrorism using "innocent until proved guilty" idealism. We need civil defence, or the only alternatives are spying on thousands of suspects at immense expense and "civil liberties" controversy, or detention of suspects without charge - the method used in dictatorships. I prefer civil defence plus credible deterrence, to endless legal hypocrisy and preventative wars. Walls are better than civil wars.)

Post a Comment

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Peace through tested, proved and practical declassified countermeasures against the effects of nuclear weapons, chemical weapons and conventional weapons. Credible deterrence through simple, effective protection against invasions and collateral damage. Discussions of the facts as opposed to inaccurate, misleading lies of the "disarm or be annihilated" political dogma variety. Hiroshima and Nagasaki anti-nuclear propaganda debunked by the hard facts. Walls not wars. Walls bring people together by stopping divisive terrorists. **CONVENTIONAL WARS HAVE KILLED TENS OF MILLIONS OF PEOPLE, NUCLEAR WEAPONS CAN RAPIDLY DETER THIS REAL THREAT TO PEACE WITH MINIMAL CASUALTIES.** 'During the critical period 8-15 February [1968], the U.S. command realized [that conventional] bombing was not sufficiently effective. ... The air campaign dropped over 110,000 tons of bombs and napalm on the area around Khe Sanh during the 77-day siege ... the most heavily bombed target in the history of conventional warfare.' – W. C. Yengst, S. J. Lukasik, and M. A. Jensen, *Nuclear Weapons that went to War*, SAID report DSWA-TR-97-25, September 1998 (quoted in the 2015 book by the secret *Capabilities of Nuclear Weapons* editor, Dr Harold L. Brode, *Nuclear Weapons in the Cold War*, page 287). [British Nuclear Test Civil Defence Research](#)

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SECRETDR. PENNEY'S DRAFT BROADCAST

Recorded: 30 October 1952

18

When the planning began, a lot of thought was given to deciding which type of explosion would provide information and experience of the greatest value. Purely scientific measurements are most easily made when the weapon is placed at the top of a high tower, but there were other weighty considerations. The Civil Defence authorities in this country badly needed more data about atomic explosions and, accordingly, the test was planned to get as much novel information as possible for Civil Defence. The decision was made to explode the weapon in a ship moored near land, thus simulating an explosion in a

CHANGE 1

Field Manual No 101-31-1

NUCLEAR WEAPONS EMPLOYMENT DOCTRINE AND PROCEDURES

Radius of vulnerability (emergency risk criterion: 5% combat ineffective)

Figure 54. Radii of Vulnerability.

CATEGORY	PERSONNEL (LL) IN— (Based on Governing Effect)				
	Yield (KT)	Open	Open Foxholes	APCs	Tanks
(Distances are in meters)					
0.1	700	600	600	500	300
1	1200	900	900	800	500
10	3200	1300	1300	1250	900

Protective factor = ratio of area of effect in the open, area of effect for shelter

Example: for 300 kt, the protective factor of open foxholes is equal to $(14,000)^2/(2,100)^2 = 44$.

Open	Open Foxholes	APCs	Tanks	Earth Shelter
1	1.36	1.36	1.96	5.44
1	1.78	1.78	2.25	5.76
1	6.06	6.06	6.55	12.6

	20	4000	1500	1450	1400	1000	1	7.11	7.61	8.16	16.0
	100	8000	1900	1800	1800	1400	1	17.7	19.8	19.8	32.7
	200	12000	2000	1900	1900	1500	1	36.0	39.9	39.9	64.0
	300	14000	2100	1950	1950	1600	1	44.4	51.5	51.5	76.6

Calculation of the injury-averting protective factors by simple open foxholes and earth shelter function of weapon yield. Most countermeasures are relatively ineffective against tactical nuclear weapons (due to the predominating neutron radiation effect at 0.1 kt yield), but are extremely effective against strategic nuclear weapons with yields of 100, 200 and 300 kt (protective factors of 44 to 76.6).

The definition of protective factor used here is the factor by which casualties numbers are reduced.

Richard P. Feynman, 'This Unscientific Age', in *The Meaning of It All*, Penguin Books, London, 1998, pages 106-9:

'Now, I say if a man is absolutely honest and wants to protect the populace from the effects of radioactivity, which is what our scientific friends often say they are trying to do, then he should work on the biggest number, not on the smallest number, and he should try to point out that the [natural cosmic] radioactivity which is absorbed by living in the city of Denver is so much more serious [than the smaller doses from nuclear explosions] ... that all the people of Denver ought to move to lower altitudes.'

'If a man reads or hears a criticism of anything in which he has an interest, watch ... if he shows concern with any question except 'is it true?' he thereby reveals that his own attitude is unscientific. Likewise if ... he judges an idea not on its merits but with reference to the author of it; if he criticizes it as 'heresy'; if he argues that authority must be right because it is authority ... The path of truth is paved with critical doubt, and lighted by the spirit of objective enquiry... the majority of people have resented what seems in retrospect to have been purely matter of fact ... nothing has aided the persistence of falsehood, and the evils resulting from it, more than the unwillingness of good people to admit the truth ... the tendency continues to be shocked by natural comment, and to hold certain things too 'sacred' to think about. ... How rarely does one meet anyone whose first reaction to anything is to ask: 'is it true?' Yet, unless that is a man's natural reaction, it shows that truth is not uppermost in his mind, and unless it is, true progress is unlikely.'

- Sir Basil Henry Liddell Hart, *Why Don't We Learn from History?*, PEN Books, 1944; revised edition, Allen and Unwin, 1972.

Civil defense countermeasures, to be taken seriously by the population, require the publication of solid facts with the scientific evidence to support those facts against political propaganda to the contrary. Secrecy over the effects of nuclear weapons tests does not hinder plutonium and missile production by rogue states, but it does hinder civil defense countermeasures, by permitting lying political propaganda to go unopposed (see linked post, [here](#)).

Terrorists successfully prey on the vulnerable. The political spreading of lies concerning threats and the alleged 'impossibility' of all countermeasures, terrorizing the population in order to 'justify' supposedly pro-peace disarmament policies in the 1920s-1930s, resulted in the secret rearmament of fascist states which were terrorizing the Jews and others, eventually leading to World War II.

Political exaggerations about nuclear weapons effects today:

- (1) encourage terrorist states and other groups to secretly invest in such weapons to use either for political intimidation or for future use against countries which have no countermeasures, and
- (2) falsely dismiss, in the eyes of the media and the public, cheap relatively effective countermeasures like civil defense and ABM.

Therefore, doom-mongering media lies *make us vulnerable to the proliferation threat* today in two ways, just as they led to both world wars:

(1) Exaggerations of offensive technology and a down-playing of simple countermeasures such as trenches, encouraged belligerent states to start World War I in the false belief that modern technology implied overwhelming firepower which would terminate the war quickly on the basis of offensive preparedness: if the facts about simple trench countermeasures against shelling and machine guns during the American Civil War had been properly understood, it would have been recognised by Germany that a long war based on munitions production and logistics would be necessary, and war would have been seen to be likely to lead to German defeat against countries with larger overseas allies and colonies that could supply munitions and the other resources required to win a long war.

(2) Exaggerations of aerial bombardment technology after World War I led to disarmament 'supported by' false claims that it was impossible to have any defense against a perceived threat of instant annihilation from thousands of aircraft carrying gas and incendiary bombs, encouraging fascists to secretly rearm in order to successfully take advantage of the fear and vulnerability caused by this lying political disarmament propaganda.

Contrived dismissal of civil defense by Marxist "Cambridge Scientists Anti-War Group" bigots: (a) appeased war-mongering enemies, and (b) maximised war mortality rates. Idealism kills. Super effective, fully proof-tested, cheap civil defense makes nuclear deterrence credible to stop conventional war devastation by avoiding collateral damage, tit-for-tat retaliation and escalation.

Historically, it has been proved that having weapons is not enough to guarantee a reasonable measure of safety from terrorism and rogue states; countermeasures are also needed, both to make any deterrent credible and to negate or at least mitigate the effects of a terrorist attack. Some people who wear seatbelts die in car crashes; some people who are taken to hospital in ambulances, even in peace-time, die. Sometimes, lifebelts and lifeboats cannot save lives at sea. This lack of a 100% success rate in saving lives doesn't disprove the value of everyday precautions or of hospitals and medicine. Hospitals don't lull motorists into a false sense of security, causing them to drive faster and cause more accidents. Like-minded 'arguments' against ABM and civil defense are similarly vacuous.

'As long as the threat from Iran persists, we will go forward with a missile system that is cost-effective and proven. If the Iranian threat is eliminated, we will have a stronger basis for security, and the driving force for missile-defense construction in Europe will be removed.'

- President Obama, Prague Castle, Czech Republic, 4 April 2009.

Before 9/11, Caspar Weinberger was quizzed by skeptical critics on the BBC News program *Talking Point, Friday, May 4, 2001: Caspar Weinberger quizzed on new US Star Wars ABM plans:*

'The [ABM] treaty was in 1972 ... The theory ... supporting the ABM treaty [which prohibits ABM, thus making nations vulnerable to terrorism] ... that it will prevent an arms race ... is perfect nonsense because we have had an arms race all the time we have had the ABM treaty, and we have seen the greatest increase in proliferation of nuclear weapons that we have ever had. ... So the ABM treaty preventing an arms race is total nonsense. ...

'You have to understand that without any defences whatever you are very vulnerable. **It is like saying we don't like chemical warfare - we don't like gas attacks - so we are going to give up and promise not to have any defences ever against them and that of course would mean then we are perfectly safe. ...**

'The Patriot was not a failure in the Gulf War - the Patriot was one of the things which defeated the Scud and in effect helped us win the Gulf War. One or two of the shots went astray but that is true of every weapon system that has ever been invented. ...

'The fact that a missile defence system wouldn't necessarily block a suitcase bomb is certainly not an argument for not proceeding with a missile defence when a missile that hits can wipe out hundreds of thousands of lives in a second. ...

'The curious thing about it is that missile defence is not an offensive weapon system - missile defence cannot kill anybody. Missile defence can help preserve and protect your people and our allies, and the idea that you are somehow endangering people by having a defence strikes me almost as absurd as saying you endanger people by having a gas mask in a gas attack. ...

‘President Bush said that we were going ahead with the defensive system but we would make sure that nobody felt we had offensive intentions because we would accompany it by a unilateral reduction of our nuclear arsenal. It seems to me to be a rather clear statement that proceeding with the missile defence system would mean fewer arms of this kind.

‘You have had your arms race all the time that the ABM treaty was in effect and now you have an enormous accumulation and increase of nuclear weapons and that was your arms race promoted by the ABM treaty. Now if you abolish the ABM treaty you are not going to get another arms race - *you have got the arms already there* - and if you accompany the missile defence construction with the unilateral reduction of our own nuclear arsenal then it seems to me you are finally getting some kind of inducement to reduce these weapons.’

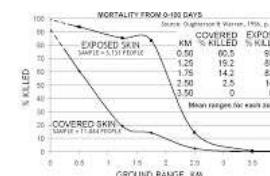
Before the ABM system is in place, and afterwards if ABM fails to be 100% effective in an attack, or is bypassed by terrorists using a bomb in a suitcase or in a ship, civil defense is required and can be effective at saving lives:

‘Paradoxically, the more damaging the effect, that is the farther out its lethality stretches, the more can be done about it, because in the last fall of its power it covers vast areas, where small mitigations will save very large numbers of people.’

– Peter Laurie, *Beneath the City Streets: A Private Inquiry into the Nuclear Preoccupations of Government*, Penguin, 1974.

‘The purpose of a book is to save people [the] time and effort of digging things out for themselves. ... we have tried to leave the reader with something tangible – what a certain number of calories, roentgens, etc., means in terms of an effect on the human being. ... we must think of the people we are writing for.’

– Dr Samuel Glasstone, DSc, letter dated 1 February 1957 to Colonel Dent L. Lay, Chief, Weapons Effects Division, U.S. Armed Forces Special Weapons Project, Washington, D.C., pages 2 and 4, concerning the preparation of *The Effects of Nuclear Weapons*.



Glasstone and Dolan stated in *The Effects of Nuclear Weapons* (1977), Table 12.17 on page 546, that the median distance in Hiroshima for survival after 20 days was 0.12 miles for people in concrete buildings and 1.3 miles for people standing outdoors. Therefore the median distances for survival in modern city buildings and in the open differed by a factor of 11 for Hiroshima; the difference in areas was thus a factor of 11^2 or about 120. Hence, taking cover in modern city buildings reduces the casualty rates and the risks of being killed by a factor of 120 for Hiroshima conditions, contrary to popular media presented political propaganda that civil defence is hopeless. This would reduce 120,000 casualties to 1,000 casualties.

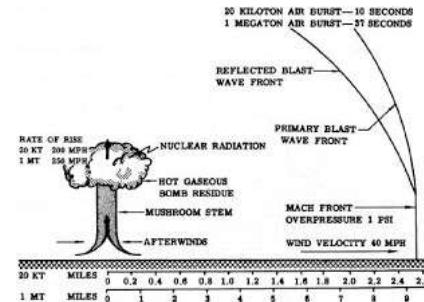
From Dr Glasstone's *Effects of Nuclear Weapons* (1962/64 ed., page 631): ‘At distances between 0.3 and 0.4 mile from ground zero in Hiroshima the average survival rate, for at least 20 days after the nuclear explosion, was less than 20 percent. Yet in two reinforced concrete office buildings, at these distances, almost 90 percent of the nearly 800 occupants survived more than 20 days, although some died later of radiation injury. Furthermore, of approximately 3,000 school students who were in the open and unshielded within a mile of ground zero at Hiroshima, about 90 percent were dead or missing after the explosion. But of nearly 5,000 students in the same zone who were shielded in one way or another, only 26 percent were fatalities. ... survival in Hiroshima was possible in buildings at such distances that the overpressure in the open was 15 to 20 pounds per square inch. ... it is evident ... that the area over which protection could be effective in saving lives is roughly eight to ten times as great as that in which the chances of survival are small.’

Lord Mayhew, House of Lords debate on Civil Defence (General Local Authority Functions) Regulations, Hansard, vol. 444, cc. 523-49, 1 November 1983: ‘... if there had been effective civil defence at Hiroshima probably thousands of lives would have been saved and much human suffering would have been avoided. There is no question about it. ...’

Since the 1977 update by **Glasstone and Dolan, extensive new updates to EM-1 for a further revised edition of *The Effects of Nuclear Weapons*** have not actually been published with unlimited public distribution, due to President Carter's 1979 executive order which transferred responsibility for civil defense from the jurisdiction of the U.S. Department of Defense's Defense Civil Preparedness Agency to the new agency (which is not an Agency of the U.S. Department of Defense, and is not concerned with the analysis of nuclear weapons test effects data), the Federal Emergency Management Agency. However, the **February 1997 U.S. Department of Defense's Defense Special Weapons Agency 0602715H RDT&E Budget Item Justification Sheet (R-2 Exhibit)** states that a revision of Glasstone and Dolan's **unclassified *Effects of Nuclear Weapons* was budgeted for 1997-9:**

"FY 1997 Plans: ... Provide text to update Glasstone's book, *The Effects of Nuclear Weapons*, the standard reference for nuclear weapons effects. ... Update the unclassified textbook entitled, *The Effects of Nuclear Weapons*. ... Continue revision of Glasstone's book, *The Effects of Nuclear Weapons*, the standard reference for nuclear weapons effects. ... FY1999 Plans ... Disseminate updated *The Effects of Nuclear Weapons*."

The new publications are either classified or unclassified with limited distribution restrictions (e.g., **Bridgman's *Introduction to the Physics of Nuclear Weapons Effects*, which includes several chapters on nuclear weapons design to enable initial radiation outputs to be calculated precisely**) which prevents up-to-date basic nuclear effects information to justify civil defense against the latest nuclear threats from being widely disseminated; the books are printed for use only by government agencies. The problem with this approach is that widespread public understanding of the best information for civil defense countermeasures is prevented.



'The evidence from Hiroshima indicates that blast survivors, both injured and uninjured, in buildings later consumed by fire [caused by the blast overturning charcoal braziers used for breakfast in inflammable wooden houses filled with easily ignitable bamboo furnishings and paper screens] were generally able to move to safe areas following the explosion. Of 130 major buildings studied by the U.S. Strategic Bombing Survey ... 107 were ultimately burned out ... Of those suffering fire, about 20 percent were burning after the first half hour. The remainder were consumed by fire spread, some as late as 15 hours after the blast. This situation is not unlike the one our computer-based fire spread model described for Detroit.'

- Defense Civil Preparedness Agency, U.S. Department of Defense, *DCPA Attack Environment Manual, Chapter 3: What the Planner Needs to Know About Fire Ignition and Spread*, report CPG 2-1A3, June 1973, Panel 27.

The Effects of the Atomic Bomb on Hiroshima, Japan, US Strategic Bombing Survey, Pacific Theatre, report 92, volume 2 (May 1947, secret):

Volume one, page 14:

"... the city lacked buildings with fire-protective features such as automatic fire doors and automatic sprinkler systems", and pages 26-28 state the heat flash in Hiroshima was only:

"... capable of starting primary fires in exposed, easily combustible materials such as dark cloth, thin paper, or dry rotted wood exposed to direct radiation at distances usually within 4,000 feet of the point of detonation (AZ)."

Volume two examines the firestorm and the ignition of clothing by the thermal radiation flash in Hiroshima:

Page 24:

“Scores of persons throughout all sections of the city were questioned concerning the ignition of clothing by the flash from the bomb. ... Ten school boys were located during the study who had been in school yards about 6,200 feet east and 7,000 feet west, respectively, from AZ [air zero]. These boys had flash burns on the portions of their faces which had been directly exposed to rays of the bomb. The boys' stories were consistent to the effect that their clothing, apparently of cotton materials, 'smoked,' but did not burst into flame. ... a boy's coat ... started to smoulder from heat rays at 3,800 feet from AZ.” [Contrast this to the obfuscation and vagueness in Glasstone, *The Effects of Nuclear Weapons!*]

Page 88:

“Ignition of the City. ... Only directly exposed surfaces were flash burned. Measured from GZ, flash burns on wood poles were observed at 13,000 feet, granite was roughened or spalled by heat at 1,300 feet, and vitreous tiles on roofs were blistered at 4,000 feet. ... six persons who had been in reinforced-concrete buildings within 3,200 feet of air zero stated that black cotton blackout curtains were ignited by radiant heat ... dark clothing was scorched and, in some cases, reported to have burst into flame from flash heat [although as the 1946 unclassified USSBS report admits, most immediately beat the flames out with their hands without sustaining injury, because the clothing was not drenched in gasoline, unlike peacetime gasoline tanker road accident victims]

“... but a large proportion of over 1,000 persons questioned was in agreement that a great majority of the original fires was started by debris falling on kitchen charcoal fires, by industrial process fires, or by electric short circuits. Hundreds of fires were reported to have started in the centre of the city within 10 minutes after the explosion. Of the total number of buildings investigated [135 buildings are listed] 107 caught fire, and in 69 instances, the probable cause of initial ignition of the buildings or their contents was as follows: (1) 8 by direct radiated heat from the bomb (primary fire), (2) 8 by secondary sources, and (3) 53 by fire spread from exposed [wooden] buildings.”

‘It is true that the Soviets have tested nuclear weapons of a yield higher than that which we thought necessary, but the 100-megaton bomb of which they spoke two years ago does not and will not change the balance of strategic power. The United States has chosen, deliberately, to concentrate on more mobile and more efficient weapons, with lower but entirely sufficient yield ...’ - President John F. Kennedy in his television broadcast to the American public, 26 July 1963.

‘During World War II many large cities in England, Germany, and Japan were subjected to terrific attacks by high-explosive and incendiary bombs. Yet, when proper steps had been taken for the protection of the civilian population and for the restoration of services after the bombing, there was little, if any, evidence of panic. It is the purpose of this book to state the facts concerning the atomic bomb, and to make an objective, scientific analysis of these facts. It is hoped that as a result, although it may not be feasible completely to allay fear, it will at least be possible to avoid panic.’

– Dr George Gamow (the big bang cosmologist), Dr Samuel Glasstone, DSc (Executive Editor of the book), and Professor Joseph O. Hirschfelder, *The Effects of Atomic Weapons*, Chapter 1, p. 1, Paragraph 1.3, U.S. Department of Defense, September 1950.

‘The consequences of a multiweapon nuclear attack would certainly be grave ... Nevertheless, recovery should be possible if plans exist and are carried out to restore social order and to mitigate the economic disruption.’

- Philip J. Dolan, editor of *Nuclear Weapons Employment* FM 101-31 (1963), *Capabilities of Nuclear Weapons* DNA-EM-1 (1972), and *The Effects of Nuclear Weapons* (1977), Stanford Research Institute, Appendix A of the **U.S. National Council on Radiological protection (NCRP) symposium *The Control of Exposure to the Public of Ionising Radiation in the Event of Accident or Attack*, 1981.**

‘Suppose the bomb dropped on Hiroshima had been 1,000 times as powerful ... It could not have killed 1,000 times as many people, but at most the entire population of Hiroshima ... [regarding the hype about various nuclear "overkill" exaggerations] there is enough water in the oceans to drown everyone ten times.’

- Professor Brian Martin, PhD (physics), 'The global health effects of nuclear war', *Current Affairs Bulletin*, Vol. 59, No. 7, December 1982, pp. 14-26.

In 1996, half a century after the nuclear detonations, data on cancers from the Hiroshima and Nagasaki survivors was published by D. A. Pierce et al. of the Radiation Effects Research Foundation, RERF (*Radiation Research* vol. 146 pp. 1-27; *Science* vol. 272, pp. 632-3) for 86,572 survivors, of whom 60% had received bomb doses of over 5 mSv (or 500 millirem in old units) suffering 4,741 cancers of which only 420 were due to radiation, consisting of 85 leukemias and 335 solid cancers.

'Today we have a population of 2,383 [radium dial painter] cases for whom we have reliable body content measurements. . . . All 64 bone sarcoma [cancer] cases occurred in the 264 cases with more than 10 Gy [1,000 rads], while no sarcomas appeared in the 2,119 radium cases with less than 10 Gy.'

- Dr Robert Rowland, Director of the Center for Human Radiobiology, *Bone Sarcoma in Humans Induced by Radium: A Threshold Response?*, Proceedings of the 27th Annual Meeting, European Society for Radiation Biology, Radioprotection colloquies, Vol. 32CI (1997), pp. 331-8.

Zbigniew Jaworowski, 'Radiation Risk and Ethics: Health Hazards, Prevention Costs, and Radiophobia', *Physics Today*, April 2000, pp. 89-90:

'... it is important to note that, given the effects of a few seconds of irradiation at Hiroshima and Nagasaki in 1945, a threshold near 200 mSv may be expected for leukemia and some solid tumors. [Sources: UNSCEAR, *Sources and Effects of Ionizing Radiation*, New York, 1994; W. F. Heidenreich, et al., *Radiat. Environ. Biophys.*, vol. 36 (1999), p. 205; and B. L. Cohen, *Radiat. Res.*, vol. 149 (1998), p. 525.] For a protracted lifetime natural exposure, a threshold may be set at a level of several thousand millisieverts for malignancies, of 10 grays for radium-226 in bones, and probably about 1.5-2.0 Gy for lung cancer after x-ray and gamma irradiation. [Sources: G. Jaikrishnan, et al., *Radiation Research*, vol. 152 (1999), p. S149 (for natural exposure); R. D. Evans, *Health Physics*, vol. 27 (1974), p. 497 (for radium-226); H. H. Rossi and M. Zaider, *Radiat. Environ. Biophys.*, vol. 36 (1997), p. 85 (for radiogenic lung cancer).] The hormetic effects, such as a decreased cancer incidence at low doses and increased longevity, may be used as a guide for estimating practical thresholds and for setting standards. ...

'Though about a hundred of the million daily spontaneous DNA damages per cell remain unrepaired or misrepaired, apoptosis, differentiation, necrosis, cell cycle regulation, intercellular interactions, and the immune system remove about 99% of the altered cells. [Source: R. D. Stewart, *Radiation Research*, vol. 152 (1999), p. 101.] ...

'[Due to the Chernobyl nuclear accident in 1986] as of 1998 (according to UNSCEAR), a total of 1,791 thyroid cancers in children had been registered. About 93% of the youngsters have a prospect of full recovery. [Source: C. R. Moir and R. L. Telander, *Seminars in Pediatric Surgery*, vol. 3 (1994), p. 182.] ... The highest average thyroid doses in children (177 mGy) were accumulated in the Gomel region of Belarus. The highest incidence of thyroid cancer (17.9 cases per 100,000 children) occurred there in 1995, which means that the rate had increased by a factor of about 25 since 1987.

'This rate increase was probably a result of improved screening [not radiation!]. Even then, the incidence rate for occult thyroid cancers was still a thousand times lower than it was for occult thyroid cancers in nonexposed populations (in the US, for example, the rate is 13,000 per 100,000 persons, and in Finland it is 35,600 per 100,000 persons). Thus, given the prospect of improved diagnostics, there is an enormous potential for detecting yet more [fictitious] "excess" thyroid cancers. In a study in the US that was performed during the period of active screening in 1974-79, it was determined that the incidence rate of malignant and other thyroid nodules was greater by 21-fold than it had been in the pre-1974 period. [Source: Z. Jaworowski, *21st Century Science and Technology*, vol. 11 (1998), issue 1, p. 14.]'

'Professor Edward Lewis used data from four independent populations exposed to radiation to demonstrate that the incidence of leukemia was linearly related to the accumulated dose of radiation. ... Outspoken scientists, including Linus Pauling, used Lewis's risk estimate to inform the public about the danger of nuclear fallout by estimating the number of leukemia deaths that would be caused by the test detonations. In May of 1957 Lewis's analysis of the radiation-induced human leukemia data was published as a lead article in *Science* magazine. In June he presented it before the Joint Committee on Atomic Energy of the US Congress.' – Abstract of thesis by Jennifer

Caron, *Edward Lewis and Radioactive Fallout: the Impact of Caltech Biologists Over Nuclear Weapons Testing in the 1950s and 60s*,
Caltech, January 2003.

Dr John F. Loutit of the Medical Research Council, Harwell, England, in 1962 wrote a book called Irradiation of Mice and Men (University of Chicago Press, Chicago and London), discrediting the pseudo-science from geneticist **Edward Lewis** on pages 61, and 78-79:

‘... Mole [R. H. Mole, *Brit. J. Radiol.*, v32, p497, 1959] gave different groups of mice an integrated total of 1,000 r of X-rays over a period of 4 weeks. But the dose-rate - and therefore the radiation-free time between fractions - was varied from 81 r/hour intermittently to 1.3 r/hour continuously. The incidence of leukemia varied from 40 per cent (within 15 months of the start of irradiation) in the first group to 5 per cent in the last compared with 2 per cent incidence in irradiated controls. ...

‘What **Lewis** did, and which I have not copied, was to include in his table another group - spontaneous incidence of leukemia (Brooklyn, N.Y.) - who are taken to have received only natural background radiation throughout life at the very low dose-rate of 0.1-0.2 rad per year: the best estimate is listed as 2×10^{-6} like the others in the table. But the value of 2×10^{-6} was not calculated from the data as for the other groups; it was merely adopted. By its adoption and multiplication with the average age in years of Brooklyners - 33.7 years and radiation dose per year of 0.1-0.2 rad - a mortality rate of 7 to 13 cases per million per year due to background radiation was deduced, or some 10-20 per cent of the observed rate of 65 cases per million per year. ...

‘All these points are very much against the basic hypothesis of **Lewis** of a linear relation of dose to leukemic effect irrespective of time. Unhappily it is not possible to claim for **Lewis**’s work as others have done, “It is now possible to calculate - within narrow limits - how many deaths from leukemia will result in any population from an increase in fall-out or other source of radiation” [Leading article in *Science*, vol. 125, p. 963, 1957]. This is just wishful journalese.

‘The burning questions to me are not what are the numbers of leukemia to be expected from atom bombs or radiotherapy, but what is to be expected from natural background Furthermore, to obtain estimates of these, I believe it is wrong to go to [1950s inaccurate, dose rate effect ignoring, data from] atom bombs, where the radiations are qualitatively different [i.e., including effects from neutrons] and, more important, the dose-rate outstandingly different.’

Samuel Glasstone and Philip J. Dolan, *The Effects of Nuclear Weapons*, 3rd ed., 1977, pp. 611-3:

‘From the earlier studies of radiation-induced mutations, made with fruitflies [by Nobel Laureate Hermann J. Muller and other geneticists who worked on plants, who falsely hyped their insect and plant data as valid for mammals like humans during the June 1957 U.S. Congressional Hearings on fallout effects], it appeared that the number (or frequency) of mutations in a given population ... is proportional to the total dose ... More recent experiments with mice, however, have shown that these conclusions need to be revised, at least for mammals. [**Mammals are biologically closer to humans, in respect to DNA repair mechanisms, than short-lived insects whose life cycles are too small to have forced the evolutionary development of advanced DNA repair mechanisms, unlike mammals that need to survive for decades before reproducing.**] When exposed to X-rays or gamma rays, the mutation frequency in these animals has been found to be dependent on the exposure (or dose) rate ...

‘**At an exposure rate of 0.009 roentgen per minute [0.54 R/hour], the total mutation frequency in female mice is indistinguishable from the spontaneous frequency.** [Emphasis added.] **There thus seems to be an exposure-rate threshold below which radiation-induced mutations are absent** ... with adult female mice ... a delay of at least seven weeks between exposure to a substantial dose of radiation, either neutrons or gamma rays, and conception causes the mutation frequency in the offspring to drop almost to zero. ... **recovery** in the female members of the population would bring about a substantial reduction in the ‘load’ of mutations in subsequent generations.’

George Bernard Shaw cynically explains groupthink brainwashing bias:

‘We cannot help it because we are so constituted that we always believe finally what we wish to believe. The moment we want to believe something, we suddenly see all the arguments for it and become blind to the arguments against it. The moment we want to disbelieve anything we have previously believed, we suddenly discover not only that there is a mass of evidence against, but that this evidence was staring us in the face all the time.’

From the essay titled 'What is Science?' by Professor Richard P. Feynman, presented at the fifteenth annual meeting of the National Science Teachers Association, 1966 in New York City, and published in *The Physics Teacher*, vol. 7, issue 6, 1968, pp. 313-20:

'... great religions are dissipated by following form without remembering the direct content of the teaching of the great leaders. In the same way, it is possible to follow form and call it science, but that is pseudo-science. In this way, we all suffer from the kind of tyranny we have today in the many institutions that have come under the influence of pseudoscientific advisers.

'We have many studies in teaching, for example, in which people make observations, make lists, do statistics, and so on, but these do not thereby become established science, established knowledge. They are merely an imitative form of science analogous to the South Sea Islanders' airfields - radio towers, etc., made out of wood. The islanders expect a great airplane to arrive. They even build wooden airplanes of the same shape as they see in the foreigners' airfields around them, but strangely enough, their wood planes do not fly. The result of this pseudoscientific imitation is to produce experts, which many of you are. ... you teachers, who are really teaching children at the bottom of the heap, can maybe doubt the experts. As a matter of fact, I can also define science another way: Science is the belief in the ignorance of experts.'

Richard P. Feynman, 'This Unscientific Age', in *The Meaning of It All*, Penguin Books, London, 1998, pages 106-9:

'Now, I say if a man is absolutely honest and wants to protect the populace from the effects of radioactivity, which is what our scientific friends often say they are trying to do, then he should work on the biggest number, not on the smallest number, and he should try to point out that the [natural cosmic] radioactivity which is absorbed by living in the city of Denver is so much more serious [than the smaller doses from nuclear explosions] ... that all the people of Denver ought to move to lower altitudes.'

Feynman is *not* making a point about low level radiation effects, but about the politics of ignoring the massive natural background radiation dose, while provoking hysteria over much smaller measured fallout pollution radiation doses. Why is the anti-nuclear lobby so concerned about banning nuclear energy - which is not possible even in principle since most of our nuclear radiation is from the sun and from supernova debris contaminating the Earth from the explosion that created the solar system circa 4,540 million years ago - when they could cause much bigger radiation dose reductions to the population by concentrating on the bigger radiation source, natural background radiation. It is possible to shield natural background radiation by the air, e.g. by moving the population of high altitude cities to lower altitudes where there is more air between the people and outer space, or banning the use of high-altitude jet aircraft. The anti-nuclear lobby, as Feynman stated back in the 1960s, didn't crusade to reduce the bigger dose from background radiation. Instead they chose to argue against the *much smaller* doses from fallout pollution. Feynman's argument is still today falsely interpreted as a political statement, when it is actually exposing pseudo-science and countering political propaganda. It is still ignored by the media. It has been pointed out by Senator Hickenlooper on page 1060 of the May-June 1957 U.S. Congressional Hearings before the Special Subcommittee on Radiation of the Joint Committee on Atomic Energy, *The Nature of Radioactive Fallout and Its Effects on Man*:

'I presume all of us would earnestly hope that we never had to test atomic weapons ... but by the same token I presume that we want to save thousands of lives in this country every year and we could just abolish the manufacture of [road accident causing] automobiles ...'

Dihydrogen monoxide is a potentially very dangerous chemical containing hydrogen and oxygen which has caused numerous severe burns by scalding and deaths by drowning, contributes to the greenhouse effect, accelerates corrosion and rusting of many metals, and contributes to the erosion of our natural landscape: 'Dihydrogen monoxide (DHMO) is colorless, odorless, tasteless, and kills uncounted thousands of people every year. Most of these deaths are caused by accidental inhalation of DHMO, but the dangers of dihydrogen monoxide do not end there. Prolonged exposure to its solid form causes severe tissue damage. Symptoms of DHMO ingestion can include excessive sweating and urination, and possibly a bloated feeling, nausea, vomiting and body electrolyte imbalance. For those who have become dependent, DHMO withdrawal means certain death.'

From the site for the petition against dihydrogen monoxide: '**Please sign this petition and help stop This Invisible Killer. Get the government to do something now. ... Contamination Is Reaching Epidemic Proportions! Quantities of dihydrogen monoxide have been found in almost every stream, lake, and reservoir in America today. But the pollution is global, and the contaminant has even been found in Antarctic ice. DHMO has caused millions of dollars of property damage in the Midwest, and recently California.**'

A recent example of the pseudoscientific radiation 'education' masquerading as science that Feynman (quoted above) objected to in the 1960s was published in 2009 in an article called 'The proportion of childhood leukaemia incidence in Great Britain that may be caused by natural background ionizing radiation' in *Leukemia*, vol. 23 (2009), pp. 770–776, which falsely asserts - in contradiction to the evidence that the no-threshold model is *contrary* to Hiroshima and Nagasaki data: 'Risk models based primarily on studies of the Japanese atomic bomb survivors imply that low-level exposure to ionizing radiation, including ubiquitous natural background radiation, also raises the risk of childhood leukaemia. Using two sets of recently published leukaemia risk models and estimates of natural background radiation red-bone-marrow doses received by children, about 20% of the cases of childhood leukaemia in Great Britain are predicted to be attributable to this source.' The authors of this pseudoscience which is the opposite of the facts are R. Wakeford (Dalton Nuclear Institute, University of Manchester, Manchester, UK), G. M. Kendall (Childhood Cancer Research Group, Oxford, UK), and M. P. Little (Department of Epidemiology and Public Health, Imperial College, London, UK). It is disgusting and sinful that the facts about childhood leukemia are being lied on so blatantly for non-scientific purposes, and it is to be hoped that these leukemia investigators will either correct their errors or alternatively be banned from using scientific literature to promote false dogma for deception until they mend the error of their ways and repent their sins in this matter.

Protein P53, discovered only in 1979, is encoded by gene TP53, which occurs on human chromosome 17. P53 also occurs in other mammals including mice, rats and dogs. P53 is one of the proteins which continually repairs breaks in DNA, which easily breaks at body temperature: the DNA in each cell of the human body suffers at least two single strand breaks every second, and one double strand (i.e. complete double helix) DNA break occurs at least once every 2 hours (5% of radiation-induced DNA breaks are double strand breaks, while 0.007% of spontaneous DNA breaks at body temperature are double strand breaks)! Cancer occurs when several breaks in DNA happen to occur by chance at nearly the same time, giving several loose strand ends at once, which repair proteins like P53 then repair incorrectly, causing a mutation which can be proliferated somatically. This cannot occur when only one break occurs, because only two loose ends are produced, and P53 will reattach them correctly. But if low-LET ionising radiation levels are increased to a certain extent, causing more single strand breaks, P53 works faster and is able deal with faster breaks as they occur, so that multiple broken strand ends do not arise. This prevents DNA strands being repaired incorrectly, and prevents cancer - a result of mutation caused by faults in DNA - from arising. Too much radiation of course overloads the P53 repair mechanism, and then it cannot repair breaks as they occur, so multiple breaks begin to appear and loose ends of DNA are wrongly connected by P53, causing an increased cancer risk.

1. DNA-damaging free radicals are equivalent to a source of sparks which is always present naturally.
2. Cancer is equivalent the fire you get if the sparks are allowed to ignite the gasoline, i.e. if the free radicals are allowed to damage DNA without the damage being repaired.
3. Protein P53 is equivalent to a fire suppression system which is constantly damping out the sparks, or repairing the damaged DNA so that cancer doesn't occur.

In this way of thinking, the 'cause' of cancer will be down to a failure of a DNA repairing enzyme like protein P53 to repair the damage.

Dr Jane Orient, 'Homeland Security for Physicians', *Journal of American Physicians and Surgeons*, vol. 11, number 3, Fall 2006, pp. 75-9:

'In the 1960s, a group of activist physicians called Physicians for Social Responsibility (PSR) undertook to "educate the medical profession and the world about the dangers of nuclear weapons," beginning with a series of articles in the *New England Journal of Medicine*. [Note that journal was publishing information for anti-civil defense propaganda back in 1949, e.g. the article in volume 241, pp. 647-53 of *New England Journal of Medicine* which falsely suggests that civil defense in nuclear war would be hopeless because a single burned patient in 1947 with 40% body area burns required 42 oxygen tanks, 36 pints of plasma, 40 pints of whole blood, 104 pints of fluids, 4,300 m of gauze, 3 nurses and 2 doctors. First, only unclothed persons in direct line of sight without shadowing can get 40% body area burns from thermal radiation, second, duck and cover offers protection in a nuclear attack warning, and G. V. LeRoy had already published, two years earlier, in *J.A.M.A.*, volume 134, 1947, pp. 1143-8, that less than 5% of burns in Hiroshima and Nagasaki were caused by building and debris fires. In medicine it is always possible to expend vast resources on patients who are fatally injured. In a mass casualty situation, doctors should not give up just because they don't have unlimited resources; as at

Hiroshima and Nagasaki, they would need to do their best with what they have.] On its website, www.psr.org, the group boasts that it "led the campaign to end atmospheric nuclear testing." With this campaign, the linear no-threshold (LNT) theory of radiation carcinogenesis became entrenched. It enabled activists to calculate enormous numbers of potential casualties by taking a tiny risk and multiplying it by the population of the earth. As an enduring consequence, the perceived risks of radiation are far out of proportion to actual risks, causing tremendous damage to the American nuclear industry. ... Efforts to save lives were not only futile, but unethical: Any suggestion that nuclear war could be survivable increased its likelihood and was thus tantamount to warmongering, PSR spokesmen warned. ...

'For the mindset that engendered and enables this situation, which jeopardizes the existence of the United States as a nation as well as the lives of millions of its citizens, some American physicians and certain prestigious medical organizations bear a heavy responsibility.

'Ethical physicians should stand ready to help patients to the best of their ability, and not advocate sacrificing them in the name of a political agenda. **Even very basic knowledge, especially combined with simple, inexpensive advance preparations, could save countless lives.'**

Dr Theodore B. Taylor, *Proceedings of the Second Interdisciplinary Conference on Selected Effects of a General War, DASIA Special Report 95, July 1969, vol. 2, DASA-2019-2, AD0696959, page 298* (also linked [here](#)):

'I must just say that as far as I'm concerned I have had some doubts about whether we should have had a civil defense program in the past. I have no doubt whatsoever now, for this reason, that I've seen **ways in which the deterrent forces can fail to hold things off, so that no matter what our national leaders do, criminal organizations, what have you, groups of people over which we have no control whatsoever, can threaten other groups of people.'**

This point of Taylor is the key fact on the morality. Suppose we disarm and abandon nuclear power. That won't stop fallout from a war, terrorists, or a foreign reactor blast from coming. Civil defence knowledge is needed. Even when America has ABM, it will be vulnerable to wind carried fallout. No quantity of pacifist hot air will protect people against radiation.

Charles J. Hitch and Roland B. McKean of the RAND Corporation in their 1960 book *The Economics of Defense in the Nuclear Age*, Harvard University Press, Massachusetts, pp. 310-57:

'With each side possessing only a small striking force, a small amount of cheating would give one side dominance over the other, and the incentive to cheat and prepare a preventative attack would be strong ... With each side possessing, say, several thousand missiles, a vast amount of cheating would be necessary to give one side the ability to wipe out the other's striking capability. ... the more extensive a disarmament agreement is, the smaller the force that a violator would have to hide in order to achieve complete domination. Most obviously, "the abolition of the weapons necessary in a general or 'unlimited' war" would offer the most insuperable obstacles to an inspection plan, since the violator could gain an overwhelming advantage from the concealment of even a few weapons.'

Disarmament after World War I caused the following problem which led to World War II (reported by Winston S. Churchill in the London Daily Express newspaper of November 1, 1934):

'Germany is arming secretly, illegally and rapidly. A reign of terror exists in Germany to keep secret the feverish and terrible preparations they are making.'

British Prime Minister Thatcher's address to the United Nations General Assembly on disarmament on 23 June 1982, where she pointed out that in the years since the nuclear attacks on Hiroshima and Nagasaki, 10 million people had been killed by 140 non-nuclear conflicts:

'The fundamental risk to peace is not the existence of weapons of particular types. It is the disposition on the part of some states to impose change on others by resorting to force against other nations ... Aggressors do not start wars because an adversary has built up his own strength. They start wars because they believe they can gain more by going to war than by remaining at peace.'

J. D. Culshaw, the then Director of the U.K. Home Office Scientific Advisory Branch, stated in his article in the Scientific Advisory Branch journal *Fission Fragments*, September 1972 (issue No. 19), classified 'Restricted':

'Apart from those who don't want to know or can't be bothered, there seem to be three major schools of thought about the nature of a possible Third World War ...

* 'The first group think of something like World War II but a little worse ...

* '... the second of World War II but very much worse ...

* 'and the third group think in terms of a catastrophe ...

'When the Armageddon concept is in favour, the suggestion that such problems exist leads to "way out" research on these phenomena, and it is sufficient to mention a new catastrophic threat [e.g., 10 years later this was done by Sagan with "nuclear winter" hype, which turned out to be fake because modern concrete cities can't produce firestorms like 1940s wooden-built areas of Hamburg, Dresden and Hiroshima] to stimulate research into the possibilities of it arising. The underlying appeal of this concept is that if one could show that the execution of all out nuclear, biological or chemical warfare would precipitate the end of the world, no one but a mad man would be prepared to initiate such a war. [However, as history proves, plenty of mad men end up gaining power and leading countries into wars.]'

J. K. S. Clayton, then Director of the U.K. Home Office Scientific Advisory Branch, stated in his introduction, entitled *The Challenge - Why Home Defence?*, to the 1977 Home Office Scientific Advisory Branch *Training Manual for Scientific Advisers*:

'Since 1945 we have had nine wars - in Korea, Malaysia and Vietnam, between China and India, China and Russia, India and Pakistan and between the Arabs and Israelis on three occasions. We have had confrontations between East and West over Berlin, Formosa and Cuba. There have been civil wars or rebellions in no less than eleven countries and invasions or threatened invasions of another five. Whilst it is not suggested that all these incidents could have resulted in major wars, they do indicate the aptitude of mankind to resort to a forceful solution of its problems, sometimes with success. ...'

It is estimated that Mongol invaders exterminated 35 million Chinese between 1311-40, without modern weapons. Communist Chinese killed 26.3 million dissenters between 1949 and May 1965, according to detailed data compiled by the Russians on 7 April 1969. The Soviet communist dictatorship killed 40 million dissenters, mainly owners of small farms, between 1917-59. Conventional (non-nuclear) air raids on Japan killed 600,000 during World War II. The single incendiary air raid on Tokyo on 10 March 1945 killed 140,000 people (more than the total for nuclear bombs on Hiroshima and Nagasaki combined) at much less than the \$2 billion expense of the Hiroshima and Nagasaki nuclear bombs! Non-nuclear air raids on Germany during World War II killed 593,000 civilians. The argument that the enemy will continue stocking megaton fallout weapons if we go to cleaner weapons is irrelevant for deterrence, since we're not planning to start war, just to credibly deter invasions. You should not try to lower your standards of warfare to those of your enemy to appease groupthink taboos, or you will end up like Britain's leaders in the 1930s, trying to collaborate with fascists for popular applause.

House of Lords debate *Nuclear Weapons: Destructive Power*, published in Hansard, 14 June 1988:

Lord Hailsham of Saint Marylebone: 'My Lords, if we are going into the question of lethality of weapons and seek thereby to isolate the nuclear as distinct from the so-called conventional range, is there not a danger that the public may think that Vimy, Passchendaele and Dresden were all right—sort of tea parties—and that nuclear war is something which in itself is unacceptable?'

Lord Trefgarne: 'My Lords, the policy of making Europe, or the rest of the world, safe for conventional war is not one that I support.'

House of Commons debate *Civil Defence* published in Hansard, 26 October 1983:

Mr. Bill Walker (Tayside, North): 'I remind the House that more people died at Stalingrad than at Hiroshima or Nagasaki. Yet people talk about fighting a conventional war in Europe as if it were acceptable. One rarely sees demonstrations by the so-called peace movement against a conventional war in Europe, but it could be nothing but ghastly and horrendous. The casualties would certainly exceed those at Stalingrad, and that cannot be acceptable to anyone who wants peace'

On 29 October 1982, Thatcher stated of the Berlin Wall: 'In every decade since the war the Soviet leaders have been reminded that their pitiless ideology only survives because it is maintained by force. But the day comes when the anger and frustration of the people is so great that force cannot contain it. Then the edifice cracks: the mortar crumbles ... one day, liberty will dawn on the other side of the wall.'

On 22 November 1990, she said: 'Today, we have a Europe ... where the threat to our security from the overwhelming conventional forces of the Warsaw Pact has been removed; where the Berlin Wall has been torn down and the Cold War is at an end. These immense changes did not come about by chance. They have been achieved by strength and resolution in defence, and by a refusal ever to be intimidated.'

'The case for civil defence stands regardless of whether a nuclear deterrent is necessary or not. ... Even if the U.K. were not itself at war, we would be as powerless to prevent fallout from a nuclear explosion crossing the sea as was King Canute to stop the tide.' - U.K. Home Office leaflet, Civil Defence, 1982.

'... peace cannot be guaranteed absolutely. Nobody can be certain, no matter what policies this or any other Government were to adopt, that the United Kingdom would never again be attacked. Also we cannot tell what form such an attack might take. Current strategic thinking suggests that if war were to break out it would start with a period of conventional hostilities of uncertain duration which might or might not escalate to nuclear conflict. ... while nuclear weapons exist there must always be a chance, however small, that they will be used against us [like gas bombs in World War II]. ... as a consequence of war between other nations in which we were not involved fall out from nuclear explosions could fall on a neutral Britain. ... conventional war is not the soft option that is sometimes suggested. It is also too easily forgotten that in World War II some 50 million people died and that conventional weapons have gone on killing people ever since 1945 without respite.' - - The Minister of State, Scottish Office (Lord Gray of Contin), House of Lords debate on Civil Defence (General Local Authority Functions) Regulations, Hansard, vol. 444, cc. 523-49, 1 November 1983.

'All of us are living in the light and warmth of a huge hydrogen bomb, 860,000 miles across and 93 million miles away, which is in a state of continuous explosion.' - Dr Isaac Asimov.

'Dr Edward Teller remarked recently that the origin of the earth was somewhat like the explosion of the atomic bomb...' - Dr Harold C. Urey, *The Planets: Their Origin and Development*, Yale University Press, New Haven, 1952, p. ix.

'But compared with a supernova a hydrogen bomb is the merest trifle. For a supernova is equal in violence to about a million million million hydrogen bombs all going off at the same time.' - Sir Fred Hoyle (1915-2001), *The Nature of the Universe*, Pelican Books, London, 1963, p. 75.

'In fact, physicists find plenty of interesting and novel physics in the environment of a nuclear explosion. Some of the physical phenomena are valuable objects of research, and promise to provide further understanding of nature.' - Dr Harold L. Brode, The RAND Corporation, 'Review of Nuclear Weapons Effects,' *Annual Review of Nuclear Science*, Volume 18, 1968, pp. 153-202.

'It seems that similarities do exist between the processes of formation of single particles from nuclear explosions and formation of the solar system from the debris of a [4 x 10²⁸ megatons of TNT equivalent, type Ia] supernova explosion. We may be able to learn much more about the origin of the earth, by further investigating the process of radioactive fallout from the nuclear weapons tests.' - Dr Paul K. Kuroda (1917-2001), University of Arkansas, 'Radioactive Fallout in Astronomical Settings: Plutonium-244 in the Early Environment of the Solar System,' pages 83-96 of *Radionuclides in the Environment: A Symposium Sponsored By the Division of Nuclear Chemistry and Technology At the 155th Meeting of the American Chemical Society, San Francisco, California, April 1-3, 1968*, edited by Symposium Chairman Dr Edward C. Freiling (1922-2000) of the U.S. Naval Radiological Defense Laboratory, Advances in Chemistry Series No. 93, American Chemical Society, Washington, D.C., 1970.

Dr Paul K. Kuroda (1917-2001) in 1956 correctly predicted the existence of water-moderated natural nuclear reactors in flooded uranium ore seams, which were discovered in 1972 by French physicist Francis Perrin in three ore deposits at Oklo in Gabon, where sixteen sites operated as natural nuclear reactors with self-sustaining nuclear fission 2,000 million years ago, each lasting several hundred thousand years, averaging 100 kW. The radioactive waste they generated remained in situ for a period of 2,000,000,000 years without escaping. They were discovered during investigations into why the U-235 content of the uranium in the ore was only 0.7171% instead of the normal 0.7202%. Some of the ore, in the middle of the natural reactors, had a U-235 isotopic abundance of just 0.440%. Kuroda's brilliant paper is

entitled, 'On the Nuclear Physical Stability of the Uranium Minerals', published in the *Journal of Chemical Physics*, vol. 25 (1956), pp. 781–782 and 1295–1296.

A type Ia supernova explosion, always yielding 4×10^{28} megatons of TNT equivalent, results from the critical mass effect of the collapse of a white dwarf as soon as its mass exceeds 1.4 solar masses due to matter falling in from a companion star. The degenerate electron gas in the white dwarf is then no longer able to support the pressure from the weight of gas, which collapses, thereby releasing enough gravitational potential energy as heat and pressure to cause the fusion of carbon and oxygen into heavy elements, creating massive amounts of radioactive nuclides, particularly intensely radioactive nickel-56, but half of all other nuclides (including uranium and heavier) are also produced by the '**R**' (rapid) process of successive neutron captures by fusion products in supernovae explosions. Type Ia supernovae occur typically every 400 years in the Milky Way galaxy. On 4 July 1054, Chinese astronomers observed in the sky (without optical instruments) the bright supernova in the constellation Taurus which today is still visible as the Crab Nebula through telescopes. The Crab Nebula debris has a diameter now of 7 light years and is still expanding at 800 miles/second. The supernova debris shock wave triggers star formation when it encounters hydrogen gas in space by compressing it and seeding it with debris; bright stars are observed in the Orion Halo, the 300 light year diameter remains of a supernova. It is estimated that when the solar system was forming 4,540 million years ago, a supernova occurred around 100 light years away, and the heavy radioactive debris shock wave expanded at 1,000 miles/second. Most of the heavy elements including iron, silicon and calcium in the Earth and people are the stable end products of originally radioactive decay chains from the space burst fallout of a 7×10^{26} megatons thermonuclear explosion, created by fusion and successive neutron captures after the implosion of a white dwarf; a supernova explosion.

How would a 10^{55} megaton hydrogen bomb explosion differ from the **big bang**? Ignorant answers biased in favour of curved spacetime (ignoring quantum gravity!) abound, such as claims that explosions can't take place in 'outer space' (disagreeing with the facts from nuclear space bursts by Russia and America in 1962, not to mention natural supernova explosions in space!) and that explosions produce sound waves in air by definition! There are indeed major differences in the nuclear reactions between the big bang and a nuclear bomb. But it is helpful to notice the solid physical fact that implosion systems suggest the mechanism of gravitation: in implosion, TNT is well-known to produce an *inward* force on a bomb core, but Newton's 3rd law says there is an equal and opposite reaction force *outward*. In fact, you can't have a radially outward force without an inward reaction force! It's the rocket principle. The rocket accelerates (with force $F = ma$) *forward* by virtue of the recoil from accelerating the exhaust gas (with force $F = -ma$) in the *opposite* direction! Nothing massive accelerates without an equal and opposite reaction force. Applying this *fact* to the measured $6 \times 10^{10} \text{ ms}^{-2} \sim Hc$ cosmological acceleration of matter **radially outward** from observers in the universe which **was predicted accurately in 1996** and later observationally discovered in 1999 (by Perlmutter, et al.), we find an outward force $F = ma$ and inward reaction force by the 3rd law. **The inward force allows quantitative predictions, and is mediated by gravitons, predicting gravitation in a checkable way (unlike string theory, which is just a landscape of 10^{500} different perturbative theories and so can't make any falsifiable predictions about gravity).** So it seems as if nuclear explosions do indeed provide helpful analogies to natural features of the world, and the mainstream lambda-CDM model of cosmology - with its force-fitted unobserved *ad hoc* speculative 'dark energy' - ignores and sweeps under the rug major quantum gravity effects which increase the physical understanding of particle physics, particularly force unification and the relation of gravitation to the existing electroweak $SU(2) \times U(1)$ section of the Standard Model of fundamental forces.

Richard Lieu, Physics Department, University of Alabama, 'Lambda-CDM cosmology: how much suppression of credible evidence, and does the model really lead its competitors, using all evidence?', <http://arxiv.org/abs/0705.2462>.

Even Einstein grasped the possibility that general relativity's lambda-CDM model is at best just a classical approximation to quantum field theory, at the end of his life when he wrote to Besso in 1954:

'I consider it quite possible that physics cannot be based on the [classical differential equation] field principle, i.e., on continuous structures. In that case, nothing remains of my entire castle in the air, [non-quantum] gravitation theory included ...'

'Science is the organized skepticism in the reliability of expert opinion.' - Professor Richard P. Feynman (quoted by Professor Lee Smolin, **The Trouble with Physics**, Houghton-Mifflin, New York, 2006, p. 307).

'The expression of dissenting views may not seem like much of a threat to a powerful organization, yet sometimes it triggers an amazingly hostile response. The reason is that a single dissenter can puncture an illusion of unanimity. ... Among those suppressed have been the engineers who tried to point out problems with the Challenger space shuttle that caused it to blow up. More fundamentally, suppression is a denial of the open dialogue and debate that are the foundation of a free society. Even worse than the silencing of dissidents is the chilling effect such practices have on others. For every individual who speaks out, numerous others decide to play it safe and keep quiet. More serious than external censorship is the problem of self-censorship.'

— Professor Brian Martin, University of Wollongong, 'Stamping Out Dissent', Newsweek, 26 April 1993, pp. 49-50

In 1896, Sir James Mackenzie-Davidson asked Wilhelm Röntgen, who discovered X-rays in 1895: 'What did you think?' Röntgen replied: 'I did not think, I investigated.' The reason? Cathode ray expert J. J. Thomson in 1894 saw glass fluorescence far from a tube, but due to prejudice (expert opinion) he avoided investigating that X-ray evidence! 'Science is the organized skepticism in the reliability of expert opinion.' - Richard Feynman, in Lee Smolin, *The Trouble with Physics*, Houghton-Mifflin, 2006, p. 307.

Mathematical symbols in this blog: your computer's browser needs access to standard character symbol sets to display Greek symbols for mathematical physics. If you don't have the symbol character sets installed, the density symbol 'ρ' (Rho) will appear as 'r' and the 'π' (Pi) symbol will as 'p', causing confusion with the use of 'r' for radius and 'p' for momentum in formulae. This problem exists with Mozilla Firefox 3, but not with Microsoft Explorer which displays Greek symbols.

About Me



Name: **nige**

Currently designing secure active server page (ASP) front ends for client SQL databases. In 1982 I began programming in basic, and at college learned Fortran while a physics undergraduate a decade later. Afterwards, I switched from mainstream physics and mathematical education to part-time programming student, while working in a series of jobs including four years in credit control. www.quantumfieldtheory.org <http://glasstone.blogspot.co.uk/2015/07/capabilities-of-nuclear-weapons.html> <http://www.math.columbia.edu/~woit/wordpress/?p=273#comment-5322>. <http://www.math.columbia.edu/~woit/wordpress/?p=353&epage=1#comment-8728>. <http://www.math.columbia.edu/~woit/wordpress/?p=215#comment-4082>.

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From 1945-62, America tested 216 nuclear weapons in the atmosphere, totalling 154 megatons, with a mean yield of 713 kilotons

From 1949-62, Russia tested 214 nuclear weapons in the atmosphere, totalling 281 megatons, with a mean yield of 1.31 megatons

From 1952-8, Britain tested 21 nuclear weapons in the atmosphere, totalling 10.8 megatons, with a mean yield of 514 kilotons

From 1960-74, France tested 46 nuclear weapons in the atmosphere, totalling 11.4 megatons, with a mean yield of 248 kilotons

From 1964-80, China tested 23 nuclear weapons in the atmosphere, totalling 21.5 megatons, with a mean yield of 935 kilotons

In summary, from 1945-80, America, Russia, Britain, France and China tested 520 nuclear weapons in the atmosphere, totalling 478.7 megatons, with a mean yield of 921 kilotons

Mean yield of the 5,192 nuclear warheads and bombs in the deployed Russian nuclear stockpile as of January 2009: 0.317 Mt. Total yield: 1,646 Mt.

Mean yield of the 4,552 nuclear warheads and bombs in the deployed U.S. nuclear stockpile as of January 2007: 0.257 Mt. Total yield: 1,172 Mt.

For diffraction damage where damage areas scale as the two-thirds power of explosive yield, this stockpile's area damage potential can be compared to the 20,000,000 conventional bombs of 100 kg size (2 megatons of TNT equivalent total *energy*) dropped on Germany during

World War II: (Total nuclear bomb blast diffraction damaged ground *area*)/(Total conventional blast diffraction damaged ground *area* to Germany during World War II) = $[4,552*(0.257 \text{ Mt})^{2/3}]/[20,000,000*(0.000001 \text{ Mt})^{2/3}] = 1,840/431 = 4.3$. Thus, although the entire U.S. stockpile has a TNT *energy* equivalent to 586 times that of the 2 megatons of conventional bombs dropped on Germany in World War II, it is only capable of causing 4.3 times as much diffraction type damage area, because *any given amount of explosive energy is far more efficient when distributed over many small explosions than in a single large explosion! Large explosions are inefficient because they cause unintended collateral damage, wasting energy off the target area and injuring or damaging unintended targets!*

In a controlled sample of 36,500 survivors, 89 people got leukemia over a 40 year period, above the number in the unexposed control group. (Data: *Radiation Research*, volume 146, 1996, pages 1-27.) Over 40 years, in 36,500 survivors monitored, there were 176 leukemia deaths which is 89 more than the control (unexposed) group got naturally. There were 4,687 other cancer deaths, but that was merely 339 above the number in the control (unexposed) group, so this is statistically a much smaller rise than the leukemia result. Natural leukemia rates, which are very low in any case, were increased by 51% in the irradiated survivors, but other cancers were merely increased by just 7%. Adding all the cancers together, the total was 4,863 cancers (virtually all natural cancer, nothing whatsoever to do with radiation), which is just 428 more than the unexposed control group. Hence, the total increase over the natural cancer rate due to bomb exposure was only 9%, spread over a period of 40 years. There was no increase whatsoever in genetic malformations.

There should be a note here about how unnatural radioactive pollution is (not) in space: the earth's atmosphere is a radiation shield equivalent to being protected behind a layer of water 10 metres thick. This reduces the cosmic background radiation by a factor of 100 of what it would be without the earth's atmosphere. Away from the largely uninhabited poles, the Earth's magnetic field also protects us against charged cosmic radiations, which are deflected and end up spiralling around the magnetic field at high altitude, in the Van Allen trapped radiation belts. On the Moon, for example, there is no atmosphere or significant magnetic field so the natural background radiation exposure rate at solar minimum is 1 milliRoentgen per hour (about 10 microSieverts/hour) some 100 times that on the Earth (0.010 milliRoentgen per hour or about 0.10 microSieverts/hour). The Apollo astronauts visiting the Moon wore dosimeters and they received an average of 275 milliRoentgens (about 2.75 milliSieverts) of radiation (well over a year's exposure to natural background at sea level) in over just 19.5 days. It is a lot more than that during a solar flare, which is one of the concerns for astronauts to avoid (micrometeorites are another concern in a soft spacesuit).

The higher up you are above sea level, the less of the atmosphere there is between you and space, so the less shielding you have to protect you from the intense cosmic space radiations (emitted by thermonuclear reactors we call 'stars', as well as distant supernovae explosions). At sea level, the air above you constitutes a radiation shield of 10 tons per square metre or the equivalent of having a 10 metres thick water shield between you and outer space. As you go up a mountain or up in an aircraft, the amount of atmosphere between you and space decreases, thus radiation levels increase with altitude because there is less shielding. The normal background radiation exposure rate shoots up by a factor of 20, from 0.010 to 0.20 milliRoentgens per hour, when any airplane ascends from sea level to 36,000 feet cruising altitude. (The now obsolete British Concorde supersonic transport used to maintain radiation-monitoring equipment so that it could drop to lower-altitude flight routes if excessive cosmic radiation due to solar storms were detected.) Flight aircrew get more radiation exposure than many nuclear industry workers at nuclear power plants. Residents of the high altitude city of Denver get 100 milliRoentgens (about 1 milliSievert) more annual exposure than a resident of Washington, D.C., but the mainstream anti-radiation cranks don't campaign for the city to be shut to save kids radiation exposure, for mountain climbing to be banned, etc.!

1994 revised Introduction to Kearny's Nuclear War Survival Skills, by Dr Edward Teller, January 14, 1994:

'If defense is neglected these weapons of attack become effective. They become available and desirable in the eyes of an imperialist dictator, even if his means are limited. Weapons of mass destruction could become equalizers between nations big and small, highly developed and primitive, if defense is neglected. If defense is developed and if it is made available for general prevention of war, weapons of aggression will become less desirable. Thus defense makes war itself less probable. ... One psychological defense mechanism against danger is to forget about it. This attitude is as common as it is disastrous. It may turn a limited danger into a fatal difficulty.'

Advice of Robert Watson-Watt (Chief Scientist on the World War II British Radar Project, defending Britain against enemy attacks): 'Give them the third best to go on with, the second best comes too late, the best never comes.'

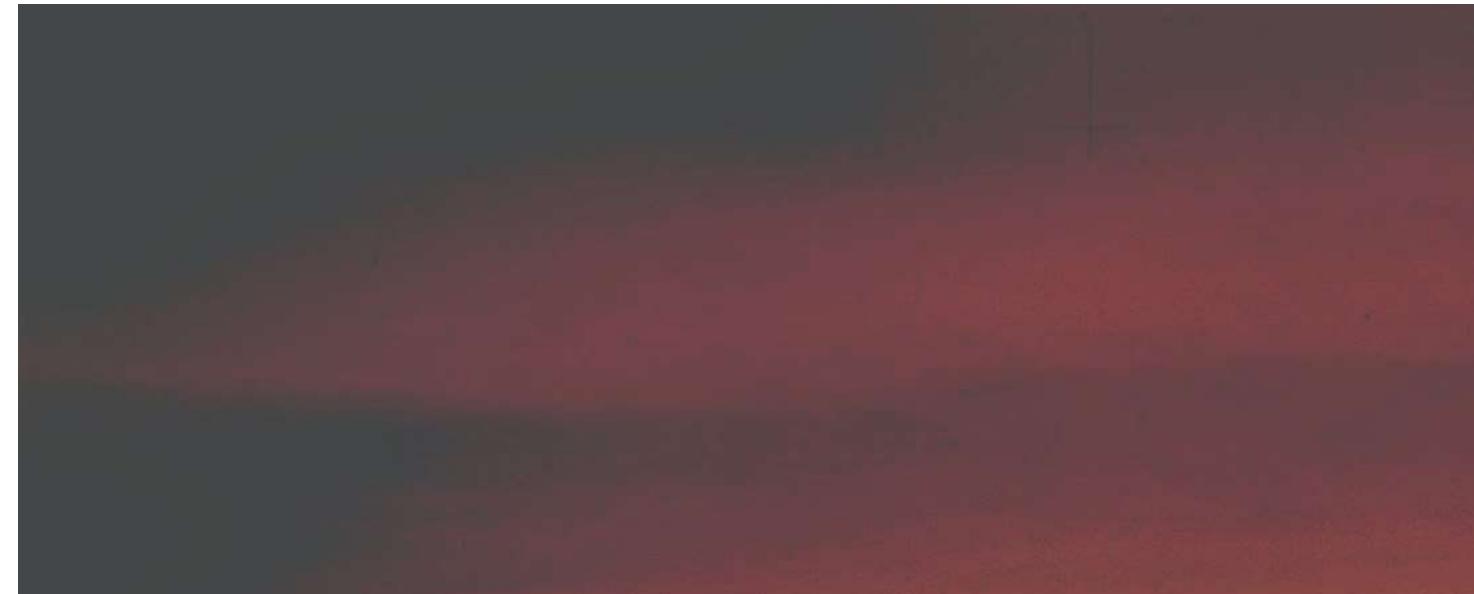
From Wikipedia (a source of groupthink): 'Groupthink is a type of thought exhibited by group members who try to minimize conflict and reach consensus without critically testing, analyzing, and evaluating ideas. Individual creativity, uniqueness, and independent thinking are lost in the pursuit of group cohesiveness, as are the advantages of reasonable balance in choice and thought that might normally be obtained by making decisions as a group. During groupthink, members of the group avoid promoting viewpoints outside the comfort zone of consensus thinking. A variety of motives for this may exist such as a desire to avoid being seen as foolish, or a desire to avoid embarrassing or angering other members of the group. Groupthink may cause groups to make hasty, irrational decisions, where individual doubts are set aside, for fear of upsetting the group's balance.'

Links

- ❖ [Google News](#)
- ❖ [Dr Carl E. Baum's EMP theory and interaction notes](#)
- ❖ [The Atomic Heritage Foundation](#)
- ❖ [Radiation Effects Research Foundation lumps data together to cover up benefits of low dose radiation in Hiroshima and Nagasaki Life Span Study!](#)
- ❖ [DTRA \(Defense Threat Reduction Agency\) Nuclear testing histories \(PDF files\)](#)
- ❖ [Samuel Glasstone and Philip J. Dolan](#)
- ❖ [Carl F. Miller's fallout research at nuclear tests](#)
- ❖ [British Home Office Scientific Advisory Branch](#)
- ❖ [Samuel Cohen's book about the collateral damage averting, invasion-deterring neutron bomb he invented, and the lying political attacks he endured as a result](#)
- ❖ [Jerry Emanuelson's review of EMP facts, including the direct dependence of the EMP on the Earth's natural magnetic field strength at the burst location](#)
- ❖ [Essays by 1950s American nuclear weapon effects test \(and neutron bomb design\) experts, discrediting anti-civil defence propaganda](#)
- ❖ [Neutron bomb inventor Samuel Cohen's 2006 book on the history of the neutron bomb, the most moral weapon ever invented due to its purely military deterrent capabilities, and the pseudo-scientific propaganda war he has had to endure from the enemies of deterrence](#)
- ❖ [Karl-Ludvig Grønhaug's EMP reports page with useful PDF downloads on prompt EMP and MHD-EMP measurements from nuclear tests \(Norwegian language\)](#)
- ❖ [Colonel Derek L. Duke's factual book on nuclear weapons accidents, *Chasing Loose Nukes, as told to Fred Dungan*](#)
- ❖ [The H-Bomb and the birth of the Universe: 'For 100 Million years after time began, the universe was dark as pitch. The clouds of hydrogen condensed into huge nuclear fireballs. That moment-when the universe first lit up-was the moment of creation that matters...'](#)
- ❖ [American *EMP Interaction* manual: comprehensive theory of both the EMP source mechanism and the EMP pick-up in cables and antenna by electromagnetic inductance \(30 MB PDF file\)](#)
- ❖ [British Mission to Japan, *The Effects of the Atomic Bombs at Hiroshima and Nagasaki*, H. M. Stationery Office, London, 1946 \(high quality 42.5 MB pdf file\).](#)
- ❖ [1950 edition \(high quality 82.7 MB PDF file\) of U.S. Department of Defense book *The Effects of Atomic Weapons*](#)
- ❖ [1957 edition \(high quality 90.8 MB PDF file\) of subsequently deleted sections on nuclear tests of civil defense countermeasures from U.S. Department of Defense book *The Effects of Nuclear Weapons*](#)
- ❖ [1957 edition \(low quality 30.6 MB PDF file\) of entire U.S. Department of Defense book *The Effects of Nuclear Weapons*](#)
- ❖ [1962/64 edition \(high quality 188 MB PDF file\) of major revised sections in the U.S. Department of Defense book *The Effects of Nuclear Weapons*](#)

- ❖ 1962/64 edition (high quality 43.8 MB PDF file) of 74 pages of subsequently deleted material dealing with thermal ignition of houses at nuclear tests and civil defense countermeasures chapter, from the U.S. Department of Defense book *The Effects of Nuclear Weapons*
- ❖ 1977 edition (single 36.8 MB PDF file) of U.S. Department of Defense book *The Effects of Nuclear Weapons*
- ❖ Bill Forstchen, "One Second After" book about EMP attack risk and its effects on USA.
- ❖ U.S. Department of Energy OpenNet Documents Online (includes many Nevada and Pacific nuclear test reports as PDF files)
- ❖ Defense Technical Information Center (DTIC)'s Scientific and Technical Information Network (STINET) Service (other declassified Nevada and Pacific test reports)
- ❖ Highlights from ABM testing history
- ❖ THAAD Goes Another ABM Test
- ❖ Alex Wellerstein's Restricted Data blog contains some interesting news (but beware of his uncritical use of unobstructed dry desert and nude skin thermal radiation and other effects predictions from the 1977 edition of Glasstone and Dolan; he deletes critically objective comments and pretends that honest criticisms of propaganda as being ignorant deception are rude as an excuse for ignoring the facts and refusing to engage in objective discussion of controversial aspects of this topic; basically if you pay homage and engage in groupthink bias you may be tolerated).
- ❖ Carey Sublette's Nuclear Weapon Archive (it contains errors from Chuck Hansen's compilation, and it is concentrated on bomb building, not on civil defence countermeasure evaluations done at nuclear tests; note that Chuck Hansen's books and CDs give a false quotation from Neil O' Hines's book *Proving Groundson* the effects of the 1952 Mike explosion on nearby Engebi Island, where Hines later in the book states that the native rats in fact *survived the intense close-in blast, heat and fallout under a few unches of soil, despite the initial ignorant belief that they could not have survived!!!*)

- Quantum Field Theory
- Los Alamos Science journal
- Excellent particle physics gauge theory (fundamental force interaction) issue of Los Alamos Science journal
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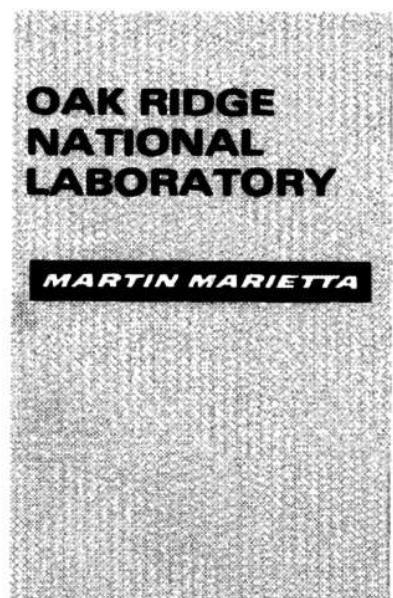


15 MT BRAVO, 3.5 SECONDS. PHOTOGRAPHED FROM 12,500 FT

Chemical and Biological Warfare Protective Measures

ornl

ORNL/TM-10423



Technical Options for Protecting Civilians from Toxic Vapors and Gases

C. V. Chester

Truth is the freedom to interpret all of the facts...



Trump's democratic success finally exposes for all...



Christmas 2016 Civil Defence Compendium: world pea...



God bless America! Brexit and Trump election compa...



NEWS: declassified clean nuclear weapons fallout s...



Investigation of the Gamma Radiation Hazards Incid...



Multiculturalism based civil wars, multiculturalis...



The infamy of Jeremy Corbyn's CND pseudoscientific...



Politically biased science: Nature peer-reviewed a...



Review of Kenneth Ford's book Building the H Bomb,...



BANK OF JAPAN BUILDING AFTER ATTACK ON HIROSHIMA

survivors extinguished fire with water buckets.

U. S. STRATEGIC BOMBING SURVEY

Field Team No. 1, Hiroshima, Japan STREET No. 2

Building No.: 24. Coordinates: 5H. Distance from

(GZ): 1,300, (AZ): 2,400.

NAME: Bank of Japan, Hiroshima branch.

CONSTRUCTION AND DESIGN

Type: Reinforced-concrete frame (steel core).

REMARKS: Fire only in room at southwest corner of

second story and in entire third story. No fire in

building right after bomb, but after at 1000 hours.

Fire in room in second story extinguished with water buckets.

www.arch-hiroshima.net/arch-hiroshima/arch_deta_center/hihigan_e.html

The Former Bank of Japan, Hiroshima Branch was representative of Hiroshima's historical buildings in the early Showa period, with an outstanding classical-style appearance. Despite being exposed to the A-bombing a mere 380 meters from the hypocenter of the A-bomb, thanks to its sturdy structure, the bank still remains & appeared when first built.

Since the armored shutters on the first and second floors were closed at the time of the A-bombing, the interior was not badly damaged. However, the third floor, where the shutters were open, was completely burned. Only two days later

on August 6, 1945, the Bank of Japan reopened for withdrawals and provided space for temporary branches of other

financial institutions in Hiroshima City, which had been rendered unable to conduct business. This is an invaluable A-bomb building that conveys its history of support for the reconstruction of Hiroshima from a financial aspect.

It was used as a bank until 1992. Hiroshima City now rents it. It is mainly used as a gallery and visitors are welcome inside during exhibitions.

This was built as a branch of Nippon Ginko, Japan's central bank, in 1936 designed by NAGANO Uhei. The exterior is in the Renaissance style with Ionic columns. The entrance, which used to have an office area and lobby counters, has an expanding space of a vaulted ceiling. The interior ornaments were lost at the time of the A-bombing.

http://www.hiroshima-navi.or.jp/en/sightseeing/hibaku_iriehi/tatemono/21383.php

The Bank of Japan, Hiroshima, survived 380 m from Ground Zero, within the firestorm area, when fires were extinguished by water buckets by its survivors, the majority of people in the building having survived. Secret US Strategic Bombing Survey report proves civil defense for modern concrete buildings is effective. The building was reopened as a bank on 8 August, merely two days after nuclear attack, and continued in use as a bank until 1992. It remains in Hiroshima. This beautifully designed and sturdy reinforced concrete building was designed in 1936 by Nagano Uhei. Cook's law: "Any man called Godwin who claims it is immoral to learn the lessons from the results of Nazi racist eugenics pseudoscience and to apply those lessons to those terrible media dominating celebrity-taboo-lovers who appease, cover-up, or defend the continuation of an evil, irrational pseudoscience which is causing unnecessary suffering today, is defending injustice, inhumanity and irrational consensus evil and is not behaving as a humane,

objective, person. We need to ensure that the worst mistakes of the past are never repeated, if we are just, moral and caring towards our fellow human beings who do not deserve to be fed lies and dangerously complacent one-sided, biased propaganda based on a populist love of obsolete dogma, and/or a hatred of the search for objective fact, by pseudo-educationalists who prefer to live in utopia than in the real world of their fellow folk!"